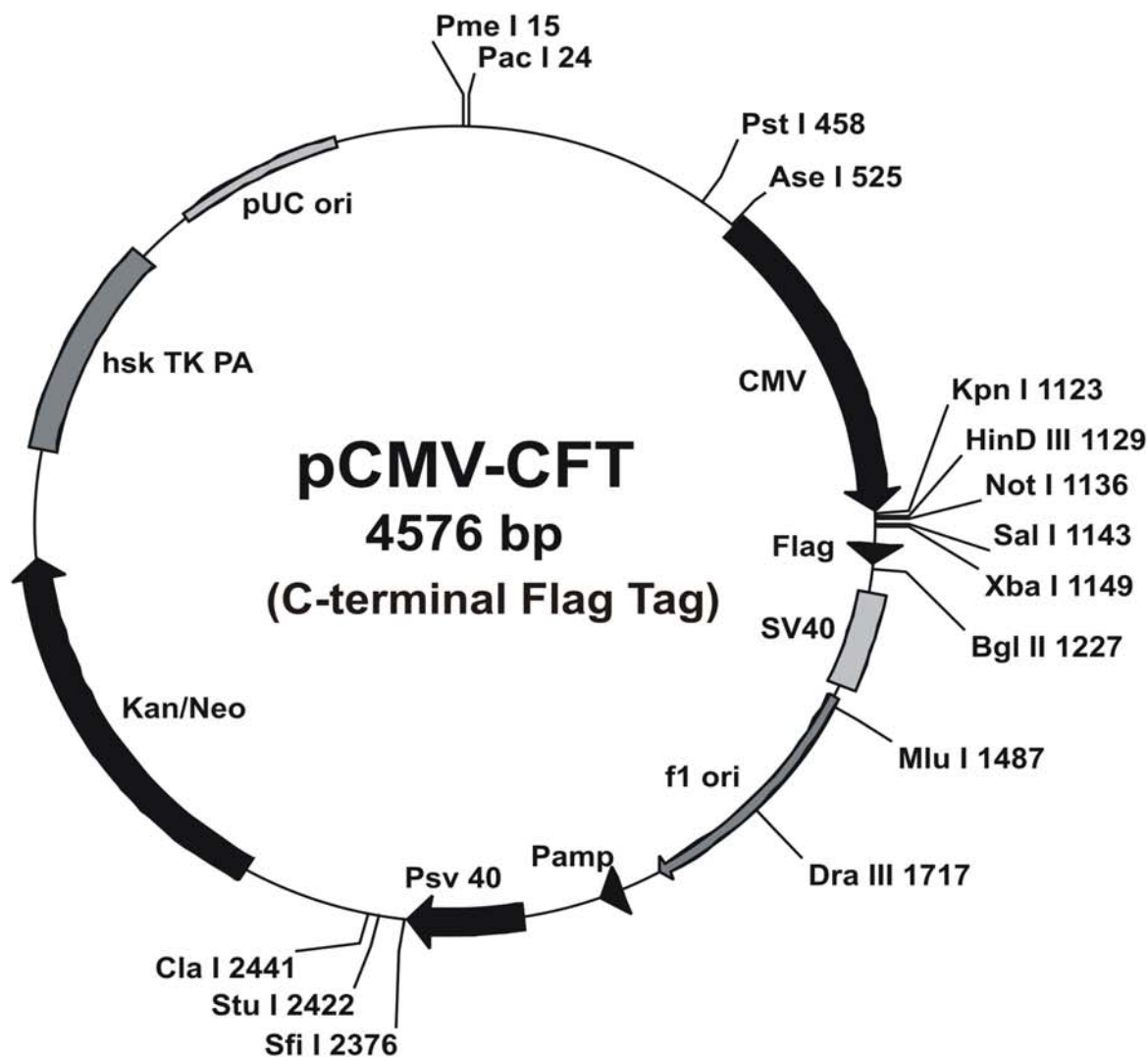
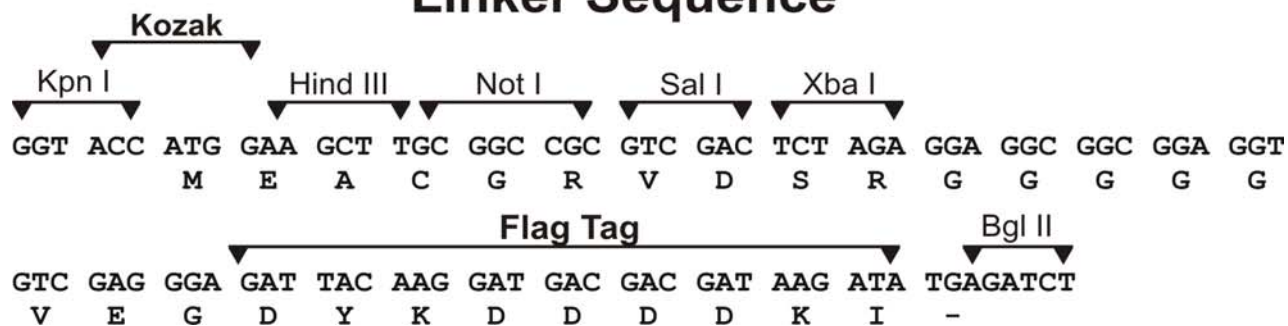


Name of Vector: pCMV-CFT
 Antibiotic Selection: Kan
 Created by: Wei Jiang and Qing Luo
 (He Lab @ The University of Chicago)
 Date of Creation: February 2004



Linker Sequence



pCMV-CFT Full-length Sequence and Restriction Sites

TAGTTATTATGTTTAAacttaattaagtgcacgagtggggttacatcgaactggatctcaa 60
cagcggtaagatccttgagagttttcgcgccgaagaacgttttccaatgatgagcacttt 120
taaagttctgctatgtggcgcggtattatcccgtgttgacgcccgggcaagagcaactcgg 180
tcgccgcatacactattctcagaatgacttgggtgagtagtaccagtcacagaaaagca 240
tcttacggatggcatgacagtaagagaattatgcagtgtgcccataacatgagtgataa 300
cactgcgcccaacttacttctgacaacgatcggaggaccgaaggagctaaccgctttttt 360
gcacaacatgggggatcatgtaactcgccttgatcgttgggaaccggagctgaatgaagc 420
catacceaacgacgagcgtgacaccacgatgcctgcagcaatggcaacaacgttgcgcaa 480
actattaactggcgaactacttactctagcttcccggcaacaATTAATAGTAATCAATTA 540
CGGGTCCATTAGTTCATAGCCCATATATGGAGTTCGCGTTACATAACTTACGGTAAATG 600
GCCGCCTGGCTGACCGCCCAACGACCCCGCCATTGACGTCAATAATGACGTATGTTT 660
CCATAGTAACGCCAATAGGGACTTTCCATTGACGTCAATGGGTGGAGTATTTACGGTAAA 720
CTGCCACTTGGCAGTACATCAAGTGTATCATATGCCAAGTACGCCCCCTATTGACGTCA 780
ATGACGGTAAATGGCCCGCCTGGCATTATGCCAGTACATGACCTTATGGGACTTTCCCTA 840
CTTGGCAGTACATCTACGTATTAGTCATCGCTATTACCATGGTGTGCGGTTTTGGCAGT 900
ACATCAATGGGCGTGGATAGCGGTTTTGACTCACGGGGATTTCCAAGTCTCCACCCCATG 960
ACGTCAATGGGAGTTTTGTTTTGGCACCAAAATCAACGGGACTTTCCAAAATGTCGTAACA 1020
ACTCCGCCCATGACGCAAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCA 1080
GAGCTGGTTTTAGTGAACCGTCAGATCCgctagagatcggtagaccATGGAAGCTTGCGGCCG 1140
CGTCGACTCTAGAGGAGGCGGCGGAGGTGTGAGGGAGATTACAAGGATGACGACGATAA 1200
GATATGagatctatccgatccaccggannnnnnTAACTGATCATAATCAGCCATACCACA 1260
TTTTGTAGAGGTTTTACTTTGCTTTAAAAAACCTCCACACCTCCCCTGAACCTGAAACAT 1320
AAAATGAATGCAATTGTTGTTGTTAACTTGTATTATGACGCTTATAATGGTTACAAATAA 1380
AGCAATAGCATCACAAATTTACAAATAAAGCATTTTTTTTCACTGCATTCTAGTTGTGGT 1440
TTGTCCAAACTCATCAATGTATCTTAAACCGGTAAATTGTAAGCGTTAATATTTTTGTTAAA 1500
ATTTCGCTTAAATTTTTGTTAAATCAGCTCATTTTTTTAAACCAATAGGCCGAAATCGGCAA 1560
AATCCCTTATAAATCAAAGAATAGACCGAGATAGGGTTGAGTGTGTTCCAGTTTGGAA 1620
CAAGAGTCCACTATTAAGAACGTGGACTCCAACGTCAAAGGGCGAAAAACCGTCTATCA 1680
GGGCGATGGCCCACTACGTGAACCATCACCCATAACAGTTTTTTGGGGTCGAGGTGCCG 1740
TAAAGCACTAAATCGGAACCCATAAGGGAGCCCCGATTTAGAGCTTGACGGGAAAGCC 1800
GGCGAACGTGGCGAGAAAGGAAGGAAGAAAGCGAAAGGAGCGGGCGCTAGGGCGCTGGC 1860
AAGTGTAGCGGTACGCTGCGCGTAACCACCACACCCGCGCGCTTAATGCGCCGCTACA 1920
GGGCGCGTCAGGTGGCACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTT 1980
CTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCCTGATAAATGCTTCAATA 2040
ATATTGAAAAAGGAAGAGTCTTGAGGCGGAAAAGAACAGCTGTGGAATGTGTGTGAGTTA 2100
GGGTGTGGAAGTCCCAGGCTCCCAGCAGGCAGAAGTATGCAAAGCATGCATCTCAAT 2160
TAGTCAGCAACCAGGTGTGGAAAGTCCCCAGGCTCCCCAGCAGGCAGAAGTATGCAAAGC 2220
ATGCATCTCAATTAGTCAGCAACCATAGTCCCAGCCCTAACTCCGCCCATCCCGCCCTA 2280
ACTCCGCCAGTTCGCCCATTCTCCGCCCATGGCTGACTAATTTTTTTTTTATTTATGCA 2340
GAGGCCGAGGCCGCTCGGCCCTCTGAGCTATTCCAGAAGTAGTGAGGAGGCTTTTTTGGGA 2400
GGCCTAGGCTTTTGCAAAGATCGATCAAGAGACAGGATGAGGATCGTTTTCGCATGATTGA 2460
ACAAGATGGATTGCACGCAGGTTCTCCGGCCGCTTGGGTGGAGAGGCTATTCGGCTATGA 2520
CTGGGCACAACAGACAATCGGCTGCTCTGATGCCGCCGTGTTCCGGCTGTCAGCGCAGGG 2580
GCGCCCGGTTCTTTTTGTCAAGACCGACCTGTCCGGTGCCCTGAATGAACTGCAAGACGA 2640
GGCAGCGCGGCTATCGTGGCTGGCCACGACGGGCGTTCCTTGCGCAGCTGTGCTCGACGT 2700
TGTCACTGAAGCGGGAAGGGACTGGCTGCTATTGGGCGAAGTGCCGGGGCAGGATCTCCT 2760
GTCATCTCACCTTGCTCCTGCCGAGAAAGTATCCATCATGGCTGATGCAATGCGGCGGCT 2820
GCATACGCTTGATCCGGCTACCTGCCATTGACCACCAAGCGAAACATCGCATCGAGCG 2880
AGCACGTACTCGGATGGAAGCCGGTCTTGTGATCAGGATGATCTGGACGAAGAGCATCA 2940
GGGGCTCGCGCCAGCCGAACCTGTTCCGCCAGGCTCAAGGCGAGCATGCCCGACGGCGAGGA 3000
TCTCGTCGTGACCCATGGCGATGCCTGCTTGCCGAATATCATGGTGGAAAATGGCCGCTT 3060
TTCTGGATTCATCGACTGTGGCCGGCTGGGTGTGGCGGACCGCTATCAGGACATAGCGTT 3120
GGCTACCCGTGATATTGCTGAAGAGCTTGGCGGCGAATGGGCTGACCGCTTCTCTGTGCT 3180
TTACGGTATCGCCGCTCCCGATTTCGACGCGCATCGCCTTCTATCGCCTTCTTGACGAGTT 3240

CTTCTGAGCGGGACTCTGGGGTTCGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA 3300
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGTTGGGCTTCGGAATCGTTTTCCGG 3360
GACGCCGGCTGGATGATCCTCCAGCGCGGGGATCTCATGCTGGAGTTCTTCGCCACCCT 3420
AGGGGGAGGCTAACTGAAACACGGAAGGAGACAATACCGGAAGGAACCCGCGCTATGACG 3480
GCAATAAAAAGACAGAATAAAACGCACGGTGTGGGTCGTTTGTTCATAAACCGGGGTT 3540
CGGTCCCAGGGCTGGCACTCTGTGATACCCACCGAGACCCCATTTGGGGCCAATACGCC 3600
CGCGTTTTCTTCTTTTTCCCCACCCCAAGTTCGGGTGAAGGCCAGGGCTCGCA 3660
GCCAACGTCGGGGCGGCAGGCCCTGCCATAGCCTCAGGTTACTCATATATACTTTAGATT 3720
GATTTAAAACCTTCATTTTTTAATTTAAAAGGATCTAGGTGAAGATCCTTTTTTGATAATCTC 3780
ATGACCAAATCCCTTAACGTGAGTTTTTCGTTCCACTGAGCGTCAGACCCCGTAGAAAAG 3840
ATCAAAGGATCTTCTTGAGATCCTTTTTTTCTGCGCGTAATCTGCTGCTTGCAAACAAA 3900
AAACCACCGCTACCAGCGGTGGTTTTGTTTGCCGGATCAAGAGCTACCAACTCTTTTTCCG 3960
AAGGTAACCTGGCTTCAGCAGAGCGCAGATAACCAAATACTGTCTTCTAGTGTAGCCGTAG 4020
TTAGGCCACCCTTCAAGAACTCTGTAGCACCGCCTACATACTCGCTCTGCTAATCCTG 4080
TTACCAGTGGCTGCTGCCAGTGGCGATAAGTCTGTCTTACCGGGTTGGACTCAAGACGA 4140
TAGTTACCGGATAAGGCGCAGCGGTGGGCTGAACGGGGGGTTCGTGCACACAGCCCAGC 4200
TTGGAGCGAACGACCTACACCGAACTGAGATACTACAGCGTGAGCTATGAGAAAGCGCC 4260
ACGCTTCCCGAAGGGAGAAAGGCGGACAGGTATCCGGTAAGCGGCAGGGTTCGGAACAGGA 4320
GAGCGCACGAGGGAGCTTCCAGGGGGAAACGCCTGGTATCTTTATAGTCTGTGCGGGTTT 4380
CGCCACCTCTGACTTGAGCGTCGATTTTTGTGATGCTCGTCAGGGGGCGGAGCCTATGG 4440
AAAAACGCCAGCAACGCGGCCCTTTTTACGGTTCCTGGCCTTTTGCTGGCCTTTTGCTCAC 4500
ATGTTCTTTCTGCGTTATCCCTGATTCTGTGGATAACCGTATTACCGCCATGCAT 4557

Unique enzymes in CMVCFT

Pme I	CTTT AAAC	15
Pac I	TTA,AT`TAA	24
Xmn I	GAANN NNTTC	100
Sca I	AGT ACT	219
Pvu I	CG,AT`CG	331
EcoN I	CCTNN`N,NNAGG	339
Pst I	C,TGCA`G	458
Ase I	AT`TA,AT	525
Vsp I	AT`TA,AT	525
Nde I	CA`TA,TG	752
SnaB I	TAC GTA	858
Acc65 I	G`GTAC,C	1119
Asp718	G`GTAC,C	1119
Kpn I	G,GTAC`C	1123
Hind III	A`AGCT,T	1129
Not I	GC`GGCC,GC	1136
Sal I	G`TCGA,C	1143
Acc I	GT`MK,AC	1144
Xba I	T`CTAG,A	1149
Bgl II	A`GATC,T	1208
PELM I	CCAN,NNN`NTGG	1227
BstX I	CCAN,NNNN`NTGG	1228
Bcl I	T`GATC,A	1239
Mun I	C`AATT,G	1332
Hpa I	GTT AAC	1345
Mlu I	A`CGCG,T	1468
Dra III	CAC,NNN`GTG	1698
Sfi I	GGCCN,NNN`NGGCC	2357
Stu I	AGG CCT	2403
Cla I	AT`CG,AT	2422
Kas I	G`GCGC,C	2581
Nar I	GG`CG,CC	2582
Ehe I	GGC GCC	2583
Bbe I	G,GCGC`C	2585
Msc I	TGG CCA	2664
Tth111 I	GACN`N,NGTC	2700
Rsr II	CG`GWC,CG	3098
BsiC I	TT`CG,AA	3264
BstB I	TT`CG,AA	3264
Bsa I	GGTCTC 7/11	3571
EcoO109 I	RG`GNC,CY	3680

Number of enzymes = 41

CMVCFT: sites sorted by name

Aat II	(4)	643	696	779	965
Acc I	(1)	1144			
Acc65 I	(1)	1119			
Aci I	(63)	64	141	185	306
		352	576	604	616
		630	797	888	921
		1025	1046	1107	1135
		1139	1159	1162	1842
		1869	1897	1900	1914
		1957	2004	2067	2252
		2264	2273	2285	2295
		2306	2352	2491	2554
		2648	2712	2813	2816
		3056	3096	3101	3151
		3167	3193	3249	3318
		3321	3387	3469	3534
		3601	3674	3908	3917
		4052	4162	4283	4302
		4429	4457	4548	
Afl III	(2)	1468	4500		
Aha II	(8)	160	640	693	776
		962	2582	3284	3363
Alu I	(16)	347	410	510	1084
		1131	1361	1528	1785
		2080	2368	2688	3146
		3943	4200	4246	4336
Alw I	(16)	60	66	381	1099
		1213	2449	2760	2827
		3006	3371	3398	3757
		3758	3855	3855	3941
AlwN I	(2)	3683	4091		
Apal I	(2)	28	4186		
Apo I	(3)	1396	1500	1511	
Ase I	(1)	525			
Asp718	(1)	1119			
Ava II	(3)	336	3098	3543	
Avr II	(2)	2404	3419		
Ban I	(5)	983	1119	1735	2581
		2616			
Ban II	(3)	1773	2947	3657	
Bbe I	(1)	2585			
Bbv I	(7)	468	1370	2655	2697
		3218	3671	4171	
Bcl I	(1)	1239			
Bcn I	(6)	165	516	2587	2747
		3360	4124		
Bfa I	(9)	507	1110	1150	1431
		1849	2405	3420	3754
		4007			
Bgl I	(4)	608	730	801	2357
Bgl II	(1)	1208			
Bpm I	(2)	3365	3422		
Bsa I	(1)	3571			
BsaA I	(3)	858	1698	2886	
BsaB I	(2)	1244	2441		
BsaH I	(8)	160	640	693	776

The following enzymes do not cut in CMVCFT

Afl II	Age I	Ahd I	Apa I	Asc I
Ava I	BamH I	Bbs I	Bbv II	Blp I
Bsg I	BsiW I	BsmB I	Bsp120 I	BspM II
BsrG I	BssH II	Bst1107 I	BstE II	Eco47 III
Eco72 I	EcoR I	EcoR V	Esp I	Fse I
Nhe I	Nru I	PaeR7 I	Pml I	PpuM I
PspA I	Sac I	Sac II	Sma I	Spe I
Spl I	Srf I	Xca I	Xcm I	Xho I

BsaJ I	(16)	962	2582	3284	3363				3675	3886	4092	4095
		878	1123	2116	2188				4160	4303	4458	
		2311	2346	2355	2404	Fok I	(7)	261	1200	2255	2449	
		2745	3014	3419	3546			2906	2931	3385		
BsaW I	(6)	3547	3649	3650	4340	Fsp I	(2)	477	2684			
		404	1223	2613	3457	Gdi II	(7)	308	1135	1137	2487	
		4147	4294					2489	3052	3079		
BseR I	(2)	1168	2400			Gsu I	(2)	3366	3421			
BsiC I	(1)	3264				Hae I	(5)	2403	2664	4026	4478	
BsiE I	(5)	182	331	1139	2491			4489				
		4166				Hae II	(4)	1849	1857	2585	4260	
BsiHKA I	(5)	32	117	2695	2885	Hae III	(21)	309	602	795	1138	
		4190						1548	1690	2345	2351	
Bsm I	(2)	1333	1426					2360	2403	2490	2664	
BsmA I	(5)	951	2007	2425	3444			3055	3082	3591	3648	
		3572						3681	4026	4460	4478	
BsmF I	(10)	693	844	1012	2098			4489				
		2170	2234	2733	3265	Hga I	(8)	167	1043	1131	1916	
		3374	3529					3291	3370	3811	4389	
BsoF I	(35)	185	280	307	457	HgiA I	(5)	32	117	2695	2885	
		1136	1139	1160	1359			4190				
		1878	1900	1914	2352	HgiE II	(2)	1221	3911			
		2491	2543	2554	2644	Hha I	(22)	141	478	1848	1856	
		2649	2686	2727	2814			1882	1904	1913	1926	
		2817	2820	3056	3152			1957	2576	2584	2648	
		3193	3207	3321	3660			2685	2951	3211	3387	
		3675	3886	4092	4095			3473	3876	3985	4159	
		4160	4303	4458				4259	4326			
Bspl286 I	(2)	117	2885			HinC II	(3)	158	1145	1345		
BspH I	(2)	2008	3780			Hind II	(3)	158	1145	1345		
BspM I	(3)	2469	2850	3300		Hind III	(1)	1129				
Bsr I	(11)	54	226	493	814	Hinf I	(12)	928	1146	1625	1647	
		1612	2290	2525	2726			2057	3067	3201	3253	
		3972	4086	4099				3311	3348	4130	4526	
BsrB I	(4)	1842	2006	3195	3249	HinI I	(8)	160	640	693	776	
BsrD I	(2)	466	2815					962	2582	3284	3363	
BssS I	(4)	31	3174	3300	4327	HinP I	(22)	139	476	1846	1854	
BstB I	(1)	3264						1880	1902	1911	1924	
BstN I	(11)	608	801	2118	2173			1955	2574	2582	2646	
		2190	2969	3548	3651			2683	2949	3209	3385	
		4341	4354	4475				3471	3874	3983	4157	
BstU I	(17)	141	578	1141	1470			4257	4324			
		1506	1882	1902	1926	Hpa I	(1)	1345				
		1957	2648	2949	3387	Hpa II	(20)	163	405	515	1224	
		3471	3534	3603	3876			1800	2487	2564	2586	
		4457						2614	2745	2835	2902	
BstX I	(1)	1228						3083	3358	3366	3458	
BstY I	(11)	53	70	1103	1208			3932	4122	4148	4295	
		2753	2999	3391	3750	Hph I	(6)	215	893	1700	2761	
		3762	3848	3859				3652	3768			
Bsu36 I	(2)	2062	3694			Kas I	(1)	2581				
Cac8 I	(29)	454	604	797	1133	Kpn I	(1)	1123				
		1801	1844	1858	2131	Mae I	(9)	507	1110	1150	1431	
		2150	2203	2222	2476			1849	2405	3420	3754	
		2662	2881	2947	2953			4007				
		2981	2985	3026	3030	Mae II	(16)	98	471	640	652	
		3084	3367	3554	3601			693	776	857	962	
		3657	3679	3890	4450			1642	1654	1697	1807	
		4487						2698	2885	3666	3799	
Cfr10 I	(4)	1799	2901	3082	3365	Mae III	(16)	39	227	380	438	
Cla I	(1)	2422						579	666	1015	1370	
Csp6 I	(9)	218	736	761	816			1871	1883	2702	3008	
		849	900	1057	1120			3698	3964	4080	4143	
		2887				Mbo I	(26)	53	70	328	374	
Dde I	(7)	199	2062	2364	3245			392	1103	1114	1208	
		3694	3817	4226				1217	1239	2419	2423	
Dpn I	(26)	55	72	330	376			2442	2753	2831	2912	
		394	1105	1116	1210			2921	2999	3375	3391	
		1219	1241	2421	2425			3750	3762	3840	3848	
		2444	2755	2833	2914			3859	3934			
		2923	3001	3377	3393	Mbo II	(10)	104	1837	2065	2942	
		3752	3764	3842	3850			3152	3234	3401	3601	
		3861	3936					3771	3844			
DpnII	(26)	53	70	328	374	Mlu I	(1)	1468				
		392	1103	1114	1208	Mme I	(3)	1674	4108	4292		
		1217	1239	2419	2423	Mnl I	(29)	327	1059	1146	1149	
		2442	2753	2831	2912			1158	1166	1261	1300	
		2921	2999	3375	3391			1309	1726	2057	2335	
		3750	3762	3840	3848			2341	2364	2370	2378	
Dra I	(5)	15	122	1284	3726			2381	2393	2433	2497	
		3745						2633	2990	3182	3388	
Dra III	(1)	1698						3420	3702	4072	4323	
Drd I	(3)	1653	2609	4398		Msc I	(1)	2664				
Dsa I	(4)	878	1123	2311	3014	Mse I	(20)	14	20	24	121	
Eae I	(6)	307	1136	2488	2662			486	525	1283	1344	
		3053	3080					1465	1486	1497	1509	
Eag I	(2)	1136	2488					1520	1537	1635	1906	
Ear I	(3)	2049	2926	3136				3725	3739	3744	3796	
Eco57 I	(3)	2727	3159	3959				486	525	1283	1344	
EcoN I	(1)	339				Msl I	(4)	288	883	1228	3019	
EcoO109 I	(1)	3680				Msp I	(20)	163	405	515	1224	
EcoR II	(11)	606	799	2116	2171			1800	2487	2564	2586	
		2188	2967	3546	3649			2614	2745	2835	2902	
		4339	4352	4473				3083	3358	3366	3458	
Ehe I	(1)	2583						3932	4122	4148	4295	
Fnu4H I	(35)	185	280	307	457	MspAl I	(5)	64	2080	2688	3917	
		1136	1139	1160	1359			4162				
		1878	1900	1914	2352	Mun I	(1)	1332				
		2491	2543	2554	2644	Nae I	(3)	1801	3084	3367		
		2649	2686	2727	2814	Nar I	(1)	2582				
		2817	2820	3056	3152	Nci I	(6)	164	515	2586	2746	
		3193	3207	3321	3660	Nco I	(4)	878	1123	2311	3014	

Nde I	(1)	752				Bcl I	T`GATC,A	1	Bcn I	CC,S`GG	6
NgoM I	(3)	1799	3082	3365		Bfa I	C`TA,G	9	Bgl I	GCCN,NNN`NGGC	4
Nla III	(20)	257	293	371	381	Bgl II	A`GATC,T	1	Blp I	GC`TNA,GC	-
		822	882	1127	2012	Bpm I	CTGGAG 22/20	2	Bsa I	GGTCTC 7/11	1
		2152	2224	2315	2456	BsaA I	YAC GTR	3	BsaB I	GATNN NNATC	2
		2801	2987	3018	3044	BsaH I	GR`CG,YC	8	BsaJ I	C`CNNG,G	16
		3400	3784	4504	4555	BsaW I	W`CCGG,W	6	BseI I	GAGGAG 16/14	2
Nla IV	(16)	403	985	1121	1737	Bsg I	GTGCAG 22/20	-	BsiC I	TT`CG,AA	1
		1758	1770	1961	2122	BsiE I	CG,RY`CG	5	BsiHKA I	G,WGCW`C	5
		2194	2583	2618	3466	BsiW I	C`GTAC,G	-	Bsm I	GAATG,C 7	2
		3545	3590	4433	4472	BsmA I	GTCTC`/9	5	BsmB I	CGTCTC 7/11	-
Not I	(1)	1136				BsmF I	GGGAC 15/19	10	BsoF I	GC`N,GC	35
Nsi I	(3)	2154	2226	4557		Bsp120 I	G`GGCC,C	-	Bsp1286 I	G,DGCH`C	2
Nsp7524 I	(4)	2148	2220	2983	4500	BspH I	T`CATG,A	2	BspM I	ACCTGC 10/14	3
NspB II	(5)	64	2080	2688	3917	BspM II	T`CCGG,A	-	Bsr I	ACT,GG`	11
		4162				BsrB I	GAG CGG	4	BsrD I	GCAATG, 8	2
NspH I	(4)	2152	2224	2987	4504	BsrG I	T`GTAC,A	-	Bssh II	G`CGCG,C	-
Pac I	(1)	24				Bsss I	C`TCGT,G	4	Bst1107 I	GTA TAC	-
Pal I	(21)	309	602	795	1138	BstB I	TT`CG,AA	1	BstE II	G`GTNAC,C	-
		1548	1690	2345	2351	BstN I	CC`W,GG	11	BstU I	CG CG	17
		2360	2403	2490	2664	BstX I	CCAN,NNNN`NTGG	1	BstY I	R`GATC,Y	11
		3055	3082	3591	3648	Bsu36 I	CC`TNA,GG	2	Cac8 I	GCN NGC	29
		3681	4026	4460	4478	Cfr10 I	R`CCGG,Y	4	ClA I	AT`CG,AT	1
		4489				Csp6 I	G`TA,C	9	Dde I	C`TNA,G	7
Pf1M I	(1)	1227				Dpn I	GA TC	26	DpnII	`GATC,	26
Ple I	(2)	1633	2065			Dra I	TTT AAA	5	Dra III	CAC,NNN`GTG	1
Pme I	(1)	15				Drd I	GACNN,NN`NNGTC	3	Dsa I	C`CRYG,G	4
Psp1406 I	(2)	98	471			Eae I	Y`GGCC,R	6	Eag I	C`GGCC,G	2
Pst I	(1)	458				Ear I	CTCTTC 7/10	3	Eco47 III	AGC GCT	-
Pvu I	(1)	331				Eco57 I	CTGAAG 21/19	3	Eco72 I	CAC GTG	-
Pvu II	(2)	2080	2688			EcoN I	CCTNN`N,NNAGG	1	Eco109 I	RG`GNC,CY	1
Rsa I	(9)	219	737	762	817	EcoR I	G`AATT,C	-	EcoR II	`CCWGG,	11
		850	901	1058	1121	EcoR V	GAT ATC	-	Ehe I	GGC GCC	1
		2888				Esp I	GC`TNA,GC	-	Fnu4H I	GC`N,GC	35
Rsr II	(1)	3098				Fok I	GGATG 14/18	7	Fse I	GG,CCGG`CC	-
Sal I	(1)	1143				Fsp I	TGC GCA	2	Gdi II	`YGGC,CG	7
Sap I	(2)	2926	3136			Gsu I	CTGGAG 21/19	2	Hae I	WGG CCW	5
Sau3A I	(26)	53	70	328	374	Hae II	R,CGCG`Y	4	Hae III	GG CC	21
		392	1103	1114	1208	Hga I	GAGCG 9/14	8	HgiA I	G,WGCW`C	5
		1217	1239	2419	2423	HgiE II	ACNNNNNNGGT -1/132	-	Hha I	G,CG`C	22
		2442	2753	2831	2912	Hinc II	GTY CAC	3	Hind II	GTY CAC	3
		2921	2999	3375	3391	Hind III	A`AGCT,T	1	Hinf I	G`ANT,C	12
		3750	3762	3840	3848	HinI I	GR`CG,YC	8	HinP I	G`CG,C	22
		3859	3934			Hpa I	GTT AAC	1	Hpa II	C`CG,G	20
Sau96 I	(9)	336	601	794	1689	Hph I	GGTGA 12/11	6	Kas I	G`GGCG,C	1
		3098	3543	3589	3647	Kpn I	G,GTAC`C	1	Mae I	C`TA,G	9
		3680				Mae II	A`CG,T	16	Mae III	`GTNAC,	16
Sca I	(1)	219				Mbo I	`GATC,	26	Mbo II	GAAGA 12/11	10
ScrF I	(17)	164	515	608	801	Mlu I	A`CGCG,T	1	Mme I	TCCRAC 25/23	3
		2118	2173	2190	2586	Mnl I	CCTC 10/10	29	Msc I	TGG CCA	1
		2746	2969	3359	3548	Mse I	T`TA,A	20	Msl I	CAYNN NNRTG	4
		3651	4123	4341	4354	Msp I	C`CG,G	20	MspA1 I	CMG CKG	5
		4475				Mun I	C`AATT,G	1	Nae I	GCC GGC	3
Sec I	(16)	878	1123	2116	2188	Nar I	GG`CG,CC	1	Nci I	CC`S,GG	6
		2311	2346	2355	2404	Nco I	C`CATG,G	4	Nde I	CA`TA,TT	1
		2745	3014	3419	3546	NgoM I	G`CCGG,C	3	Nhe I	G`CTAG,C	-
		3547	3649	3650	4340	Nla III	,CATG`	20	Nla IV	GGN NCC	16
SfaN I	(13)	247	440	876	1397	Not I	GC`GGCC,GC	1	Nru I	TCG CGA	-
		2160	2232	2541	2796	Nsi I	A,TGCA`T	3	Nsp7524 I	R`CATG,Y	4
		2880	2944	3012	3219	NspB II	CMG CKG	5	NspH I	R,CATG`Y	4
		4404				Pac I	TTA,AT`TAA	1	Paer7 I	C`TCGA,G	-
Sfc I	(4)	454	1917	4044	4235	Pal I	GG CC	21	Pf1M I	CCAN,NNN`NTGG	1
Sfi I	(1)	2357				Ple I	GAGTC 9/10	2	Pme I	CTT AAAC	1
SnaB I	(1)	858				Pml I	CAC GTG	-	PpuM I	RG`GWC,CY	-
Sph I	(3)	2152	2224	2987		Psp1406 I	AA`CG,TT	2	PspA I	C`CCGG,G	-
Ssp I	(2)	1490	2043			Pst I	C,TGCA`G	1	Pvu I	CG,AT`CG	1
Stu I	(1)	2403				Pvu II	CAG CTG	2	Rsa I	GT AC	9
Sty I	(6)	878	1123	2311	2404	Rsr II	CG`GWC,CG	1	Sac I	G,AGCT`C	-
		3014	3419			Sac II	CC,GC`GG	-	Sal I	G`TCGA,C	1
Taq I	(14)	46	1144	1171	1731	Sap I	GCYCTTC 8/11	2	Sau3A I	`GATC,	26
		2422	2695	2851	2875	Sau96 I	G`GNC,C	9	Sca I	AGT ACT	1
		2911	3073	3264	3309	ScrF I	CC`N,GG	17	Sec I	C`CNNG,G	16
		3564	4402			SfaN I	GCATC 9/13	13	Sfc I	C`TRYA,G	4
Tfi I	(5)	3067	3201	3311	3348	Sfi I	GGCCN,NNN`NGGCC	1	Sma I	CCC GGG	-
		4526				SnaB I	TAC GTA	1	Spe I	A`CTAG,T	-
Tsp45 I	(5)	227	438	1871	2702	Sph I	G,CATG`C	3	Spl I	C`GTAC,G	-
		3008				Srf I	GCCC GGGC	-	Ssp I	AAT ATT	2
Tth111 I	(1)	2700				Stu I	AGG CCT	1	Sty I	C`CWVG,G	6
Tth111 II	(4)	3018	3878	3908	3917	Taq I	T`CG,A	14	Tfi I	G`ANT,C	5
Vsp I	(1)	525				Tsp45 I	`GTSAC,	5	Tth111 I	GACN`N,NGTC	1
Xba I	(1)	1149				Tth111 II	CAARCA 16/14	4	Vsp I	AT`TA,AT	1
Xho II	(11)	53	70	1103	1208	Xba I	T`CTAG,A	1	Xca I	GTA TAC	-
		2753	2999	3391	3750	Xcm I	CCANNNN,N`NNNNTGG-	-	Xho I	C`TCGA,G	-
		3762	3848	3859		Xho II	R`GATC,Y	11	Xma I	C`CCGG,G	-
Xma III	(2)	1136	2488			Xma III	C`GGCC,G	2	Xmn I	GAANN NNTTC	1
Xmn I	(1)	100									

Site usage in CMVCFT.TXT:

Aat II	G,ACGT`C	4	Acc I	GT`MK,AC	1
Acc65 I	G`GTAC,C	1	Aci I	C`CG,C	63
Afl II	C`TTAA,G	-	Afl III	A`CRYG,T	2
Age I	A`CCGG,T	-	Aha II	GR`CG,YC	8
Ahd I	GACNN,N`NNGTC	-	Alu I	AG CT	16
Alw I	GGATC 8/9	16	AlwN I	CAG,NNN`CTG	2
Apa I	G,GGCC`C	-	ApaL I	G`TGCA,C	2
Apo I	R`AATT,Y	3	Asc I	GG`CGCG,CC	-
Ase I	AT`TA,AT	1	Asp718	G`GTAC,C	1
Ava I	C`YCGR,G	-	Ava II	G`GWC,C	3
Avr II	C`CTAG,G	2	BamH I	G`GATC,C	-
Ban I	G`GYRC,C	5	Ban II	G,RCY`C	3
Bbe I	G,CGCG`C	1	Bbs I	GAAGAC 8/12	-
Bbv I	GCAGC 13/17	7	Bbv II	GAAGAC 7/11	-