



## pSCV-TOFT Sequence

TGAAAGACCC CACCTGTAGG TTTGGCAAGC TAGCTTAAGT AACGCCATTT TGCAAGGCATGGAAAATACATAACTGAGAA  
TAGAGAAGTT CAGATCAAGG TTAGGAACAG AGAGACAGCAGAATATGGGC CAAACAGGAT ATCTGTGGTAAGCAGTTCCCT  
GCCCCGGCTCAGGGCCAAGAACAGATGGTCCCCAGATGCGGTCCCGCCCTCAGCAGTTTCTAGAGAACCATCAGATGTTTTCCAGG  
GTGCCCCAAGGACCTGAAATGACCCTGTGCCTTATTTGAACTAACCAATCAGTTCGCTTCTCGCTTCTGTTCGCGCGCTTCTGCT  
CCCCGAGCTC AATAAAAAGAG CCCACAACCCCTCACTCGGC GCGCCAGTCC TCCGATAGAC TCGCTCGCCCGGGTACCCGT  
ATTCCCAATAAAAGCCTCTTG CTGTTTGCAT CCGAATCGTG GACTCGCTGA TCCTTGGGAG GGTCTCCTCAGATTGATTGA  
CTGCCACCT CGGGGTCTT TCATTTGGAG GTTCCACCGA GATTTGGAGACCCTGCCA GGGACCACCGACCCCCCGC  
CGGGAGGTAA GCTGGCCAGC GGTCGTTTCGTGTCTGTCTC TGTCTTTGTG CGTGTTTGTG CCGCATCTAATGTTTGC  
CTGCGTCTGTACTAGTTAG TAACTAGCTC TGTATCTGGC GGACCCGTGG TGAAGTGA GAGTCTGAACACCCGGCCG  
CAACCTGGG AGACGTCCA GGGACTTTGG GGGCCGTTTT TGTGGCCGACCTGAGGAAG GGATCGATGTGAATCCGA  
CCCCGTAGG ATATGTGGTT CTGGTAGGAGACGAGAACCT AAAACAGTTC CCGCTCCGT CTGAATTTTGTCTTTCGGTT  
TGAACCGAAGCCGCGCTC TTGTCTGCTG CAGCGCTGCA GCATCGTTC GTGTGTCTC TGTCTGACTGTGTTTCTGTA  
TTTGTCTGAA AATTAGGGCC AGACTGTTAC CACTCCCTTA AGTTTGACCTTAGGTCAGT GAAAAGATGTCGAGCGGATCG  
CTCACAACCA GTCGGTAGAT GTCAAGAAGAGACGTTGGGT TACCTTCTGC TCTGCAGAAT GGCCAACCTTTAACGTCGGA  
TGGCCGCGAGACGGCACCTT TAACCGAGAC CTCATCACC AGGTTAAGAT CAAGGTCTTT TCACCTGGCCCGCATGGACA  
CCCAGACCAG GTCCCTACA TCGTGACCTG GGAAGCCTTG GCTTTTGAACCCCTCCCTG GGTCAAGCCCTTTGTACACC  
CTAAGCCTCC GCCTCCTCTT CCTCCATCCGCCCGTCTCT CCCCTTGAA CCTCCTCGTT CGACCCCGCTCGATCCTCC  
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TGAAATTTGTTATCCGCTCAC AATTCCACAC AACATACGAG CCGGAAGCAT AAAGTGTAAA GCCTGGGGTGCCTAATGAGT  
GAGCTAACTCACATTAATTG CGTTGCGCTC ACTGCCCGCT TTCCAGTCGGGAAACCTGTC GTGCCAGCTGCATTAATGAA  
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GAACATGTGAGCAAAAAGCC AGCAAAAAGC CAGGAACCGT AAAAAAGCCGCTTGTGGC GTTTTTCCATAGGCTCCGCC  
CCCCTGACGA GCATCAGAAA AATCGACGCTCAAGTCAGAG GTGGCGAAAC CCGACAGGAC TATAAAGATAACAGGCGTTT  
CCCCCTGGAAGTCCCTCGT GCGCTCTCCT GTTCCGACCC TGCCGCTTAC CGGATACCTG TCCGCTTCTCCCTTCGGG  
AAGCGTGGCGCTTCTCATA GCTCACGCTG TAGGTATCTC AGTTCCGGTGTAGGTTCGTTTCG CTCCAAGCTGGGCTGTGTG  
ACGAACCCCC CGTTCAGCCC GACCGCTGCGCTTATCCGG TAACTATCGT CTTGAGTCCA ACCCGGTAAGACACGACTTA



		5745	6356					584	588	633	652
Bbv II	(2)	1499	2251					1201	1510	1624	2478
Bcn I	(16)	166	401	402	573			2628	2821	3270	3426
		726	2401	3303	3564			3430	3719	3770	4216
		3799	3800	4804	5500			4245	4354	4440	4477
		5851	6352	6387	6738			5037	5428	6441	6589
Bfa I	(14)	31	221	663	675			6609	6613	6709	6750
		1396	1524	1812	2542			6798	6840	6870	
		3429	3619	4918	5171	Cfr10 I	(5)	631	2498	5396	6859
		5506	6941					6868			
Bgl I	(5)	2632	2754	2825	5436	Csp6 I	(16)	404	660	1285	2029
		6554						2281	2470	2760	2785
Bgl II	(4)	3128	3149	3170	3260			2840	2873	2924	3081
Bpm I	(4)	3244	3366	5386	7004			3802	5795	6471	6982
Bsa I	(6)	478	532	1151	3854	Dde I	(21)	75	169	210	478
		3875	5377					783	1020	1292	2019
BsaA I	(2)	2047	2882					2506	3264	3473	3567
BsaB I	(5)	1713	3127	3148	3169			3608	3877	3948	4698
		3190						5107	5273	5813	6239
BsaH I	(18)	744	1400	1848	2295			6474			
		2352	2403	2502	2664	Dpn I	(34)	95	461	1048	1180
		2717	2800	2986	3229			1365	1649	1710	1724
		5853	6235	6539	6722			1916	2312	2512	3130
		6836	6857					3151	3172	3193	3218
BsaJ I	(42)	163	242	252	399			3262	3288	3493	4991
		463	499	548	549			5066	5077	5085	5163
		696	735	736	748			5175	5280	5621	5639
		749	1169	1238	1247			5685	5943	5960	5996
		1267	1268	1413	1718			6581	6805		
		1842	1977	2001	2037	DpnII	(34)	93	459	1046	1178
		2094	2154	2250	2286			1363	1647	1708	1722
		2355	2481	2516	2902			1914	2310	2510	3128
		3561	3640	3650	3797			3149	3170	3191	3216
		3860	4162	4583	6657			3260	3286	3491	4989
		6735	6741					5064	5075	5083	5161
BsaW I	(3)	4629	4776	5607				5173	5278	5619	5637
BseR I	(7)	466	1295	1334	1828			5683	5941	5958	5994
		1830	2152	3863				6579	6803		
Bsg I	(2)	1602	2411			Dra I	(4)	2525	5182	5201	5893
BsiE I	(10)	594	729	1534	1650	Drd I	(4)	1502	2357	4531	6400
		3276	4339	4763	5686	Dsa I	(6)	696	1413	2250	2516
		5835	6582					2902	6741		
BsiHKA I	(7)	340	3110	3738	4741	Eae I	(14)	584	726	1111	1132
		5902	5987	6484				1416	1531	1900	2341
BsmA I	(23)	108	477	533	611			2376	3273	4262	5704
		736	834	951	1075			6738	6870		
		1134	1152	1330	1433	Eag I	(3)	726	1531	3273	
		2975	3221	3383	3506	Ear I	(6)	1072	1313	4045	4307
		3853	3874	5378	6152			6111	6599		
		6305	6349	7021		Eco47 III	(2)	925	6777		
BsmB I	(8)	735	833	1074	1133	Eco57 I	(8)	1511	1987	2320	2344
		1331	3220	6306	6348			2350	4970	5984	6988
BsmF I	(15)	174	187	566	731	EcoN I	(2)	786	1394		
		766	1207	1587	1999	EcoO109 I	(6)	256	1221	1574	3654
		2018	2717	2868	3036			6292	6746		
		3572	3585	6717		EcoR I	(2)	1406	3341		
BsoF I	(47)	729	903	919	922	EcoR II	(22)	241	548	735	748
		927	930	1135	1515			1169	1194	1217	1237
		1534	1608	1611	1614			1267	1717	2000	2154
		1617	1620	1784	1822			2630	2823	3221	3639
		1936	1984	2137	2201			4161	4449	4570	4583
		2206	2341	2393	2396			6656	6933		
		2488	3273	3276	3309	EcoR V	(3)	141	3539	6924	
		4248	4329	4347	4350	Ehe I	(8)	1401	2296	2404	2503
		4468	4623	4766	4831			6540	6723	6837	6858
		4834	5040	5368	5707			729	903	919	922
		5734	5829	6058	6345	Fnu4H I	(47)	927	930	1135	1515
		6454	6558	6631				1534	1608	1611	1614
								1617	1620	1784	1822
Bsp120 I	(1)	3298						1936	1984	2137	2201
BspH I	(4)	5143	6151	6256	6780			2206	2341	2393	2396
Bsr I	(18)	376	1032	1060	1548			2488	3273	3276	3309
		1572	2027	2838	3774			4248	4329	4347	4350
		4224	4830	4843	4957			4468	4623	4766	4831
		5363	5481	5524	5791			4834	5040	5368	5707
		5963	6669					5734	5829	6058	6345
BsrB I	(5)	1044	2275	4115	4356			6454	6558	6631	
		6157						425	1142	1302	1466
BsrD I	(2)	5377	5551			Fok I	(16)	1701	1994	2051	2290
BsrG I	(1)	1284						3219	3334	3822	5282
BssH II	(5)	319	370	2476	3717			5463	5750	6393	6637
		3768						Fsp I	(3)	1880	5538
BssS I	(5)	1589	1904	4596	5980	Gdi II	(13)	725	727	1131	1530
		6287						1532	1901	2342	3272
BstE II	(3)	1089	1972	2143				3274	4263	5703	6739
BstN I	(22)	243	550	737	750			6871			
		1171	1196	1219	1239			Gsu I	(4)	3243	3367
		1269	1719	2002	2156	Hae I	(10)	586	1113	1418	1835
		2632	2825	3223	3641			2042	2264	2378	4438
		4163	4451	4572	4585			4449	4901		
		6658	6935					Hae II	(12)	927	1403
BstU I	(27)	319	321	372	905			2505	4301	4671	6542
		907	1137	1646	2115			6725	6779	6839	6860
		2205	2478	2518	2602			130	175	586	728
		3278	3294	3717	3719			764	776	989	1113
		3770	4270	4272	4470			1134	1199	1418	1533
		5051	5381	5874	6206			1835	1902	1935	1986
		6306	6308	6411				2042	2229	2264	2343
BstX I	(1)	2374						2378	2487	2626	2819
BstY I	(12)	2510	3128	3149	3170			3275	3300	3528	3573
		3260	3286	5064	5075			4264	4438	4449	4467
		5161	5173	5941	5958			4901	5359	5439	5706
Bsu36 I	(3)	783	1020	2506				6293	6591	6740	6748
Cac8 I	(35)	28	32	321	372						

		6872				2476	3083	3259	3298
Hga I	(14)	383	644	897	1493	3616	3768	3787	3832
		2359	3067	3236	3268	3859	3883	3943	4272
		3781	4533	5111	5843	4321	4531	4604	4855
		6401	6870			5255	5336	5482	5688
HgiA I	(7)	340	3110	3738	4741	6283	6341	6601	6885
		5902	5987	6484		586	1113	1418	2378
HgiE II	(2)	5002	6482			36	1009	1121	1151
Hha I	(45)	321	323	372	374	1175	2524	2549	3347
		650	907	926	1402	3351	3434	3968	4066
		1514	1869	1881	2115	4194	4253	5129	5181
		2205	2297	2405	2478	5186	5200	5253	5488
		2480	2504	3719	3721	5527	5892	6264	6445
		3770	3772	4047	4207	6642	6912		
		4272	4300	4333	4603	Msl I (3)	2907	5568	5727
		4670	4770	4944	5053	Msp I (27)	165	400	571
		5446	5539	5876	6208		725	1403	2400
		6308	6411	6541	6562		3302	3563	3798
		6695	6724	6778	6838		4630	4777	4803
		6859					5397	5431	5498
							6860	6869	6884
HinC II	(1)	3282				MspAl I (12)	590	1622	2395
Hind II	(1)	3282					3899	4247	4765
HinD III	(1)	3266					5951	6417	6611
Hinf I	(17)	444	452	793	804		633	6870	6967
		1439	1771	2159	2952		1400	2295	2403
		3958	3980	4001	4258	Nae I (2)	633	6870	2502
		4323	4398	4794	5311	Nar I (8)	1400	2295	2403
		6949					6539	6722	6836
HinI I	(18)	744	1400	1848	2295		165	400	401
		2352	2403	2502	2664	Nci I (16)	725	2400	3302
		2717	2800	2986	3229		3798	3799	4803
		5853	6235	6539	6722		5850	6351	6386
		6836	6857				1413	2250	2902
HinP I	(45)	319	321	370	372	Nco I (3)	1413	2250	2902
		648	905	924	1400	Nde I (2)	2776	6487	
		1512	1867	1879	2113	Ngom I (2)	631	6868	
		2203	2295	2403	2476	Nhe I (2)	30	3428	
		2478	2502	3717	3719	Nla III (23)	62	1207	1417
		3768	3770	4045	4205		1885	2254	2377
		4270	4298	4331	4601		2906	3460	3914
		4668	4768	4942	5051		4427	5147	5638
		5444	5537	5874	6206		5726	5762	6155
		6306	6409	6539	6560		6344	6711	6784
		6693	6722	6776	6836	Nla IV (43)	190	203	248
		6857					523	554	694
Hpa II	(27)	165	400	571	632		895	1146	1223
		725	1403	2400	2499		1575	1691	1891
		3302	3563	3798	4141		1987	2035	2209
		4630	4777	4803	4993		2296	2404	2503
		5397	5431	5498	5608		3288	3300	3588
		5850	6351	6385	6737		3646	3803	4169
		6860	6869	6884			4494	5266	5360
Hph I	(18)	1159	1185	1403	1983		5612	6202	6540
		2154	2205	2426	2917	Not I (1)	6747	6837	6858
		5160	5387	5801	6009	Nru I (1)	3273		
		6042	6326	6335	6828	Nsp7524 I (3)	4423	6340	6707
		6873	6954			NspB II (12)	590	1622	2395
Kas I	(8)	1399	2294	2402	2501		3899	4247	4765
		6538	6721	6835	6856		5951	6417	6611
Kpn I	(2)	407	3805				4427	6344	6711
Mae I	(14)	31	221	663	675	NspH I (3)	4427	6344	6711
		1396	1524	1812	2542	Pac I (1)	3351		
		3429	3619	4918	5171	Pal I (41)	130	175	586
		5506	6941				764	776	989
Mae II	(16)	744	1083	1124	1848		1134	1199	1418
		2046	2664	2676	2717		1835	1902	1935
		2800	2881	2986	5126		2042	2229	2264
		5542	5915	6235	6677		2378	2487	2626
Mae III	(24)	39	996	1024	1089		3275	3300	3528
		1233	1972	2143	2149		4264	4438	4449
		2603	2690	3039	3437		4901	5359	5439
		3915	4779	4842	4958		6293	6591	6740
		5241	5572	5630	5783	PflM I (1)	6872		
		5971	6359	6650	6670	Ple I (3)	2256		
Mbo I	(34)	93	459	1046	1178	Pme I (1)	801	3966	4802
		1363	1647	1708	1722	PpuM I (4)	256	1221	1574
		1914	2310	2510	3128	Psp1406 I (2)	5542	5915	3654
		3149	3170	3191	3216	PspA I (2)	399	3797	
		3260	3286	3491	4989	Pst I (4)	923	931	1107
		5064	5075	5083	5161	Pvu I (3)	1650	5686	6582
		5173	5278	5619	5637	Pvu II (5)	1622	2395	4247
		5683	5941	5958	5994		6967		6611
		6579	6803						
Mbo II	(17)	1088	1301	1447	1504	Rsa I (16)	405	661	1286
		1532	2253	2256	3269		2282	2471	2761
		4061	4295	5084	5157		2841	2874	2925
		5912	5990	6099	6587		3803	5796	6472
		6799					340	3110	3738
Mlu I	(1)	3292				Sac I (3)	340	3110	3738
Mme I	(7)	831	1108	2246	3862	Sac II (1)	2519		
		3914	4637	4821		Sal I (1)	3280		
Mnl I	(72)	218	370	389	434	Sap I (2)	4045	4307	
		462	486	508	512	Sau3A I (34)	93	459	1046
		568	778	874	1170		1363	1647	1708
		1273	1306	1312	1315		1914	2310	2510
		1321	1351	1354	1369		3149	3170	3191
		1376	1392	1456	1797		3260	3286	3491
		1798	1808	1811	1820		5064	5075	5083
		1837	1845	1848	1879		5173	5278	5619
		1912	1918	1924	1939		5683	5941	5958
		2027	2089	2122	2172		6579	6803	5994
		2229	2254	2274	2281	Sau96 I (34)	128	173	188
		2313	2350	2440	2445		256	553	692
							775	987	1198
							1574	1933	1985

		2485	2625	2818	3298	Bfa I	C`TA,G	14	Bgl I	GCCN,NNN`NGGC	5
		3299	3526	3571	3586	Bgl II	A`GATC,T	4	Blp I	GC`TNA,GC	-
		5399	3654	5358	5437	Bpm I	CTGGAG 22/20	4	Bsa I	GGTCTC 7/11	6
		5454	5676	6292	6589	BsaA I	YAC GTR	2	BsaB I	GATNN NNATC	5
		6746	6931			BsaH I	GR`CG,YC	18	BsaJ I	C`CNNG,G	42
Sca I	(1)	5796				BsaW I	W`CCGG,W	3	BseR I	GAGGAG 16/14	7
ScrF I	(38)	165	243	400	401	Bsg I	GTGCAG 22/20	2	BsiC I	TT`CG,AA	-
		550	572	725	737	BsiE I	CG,R`Y`CG	10	BsiHKA I	G,WGCW`C	7
		750	1171	1196	1219	BsiW I	C`GTAC,G	-	Bsm I	GAATG,C 7	-
		1239	1269	1719	2002	BsmA I	CTCTC`/9	23	BsmB I	CGTCTC 7/11	8
		2156	2400	2632	2825	BsmF I	GGGAC 15/19	15	BsoF I	GC`N,GC	47
		3223	3302	3563	3641	Bsp120 I	G`GGCC,C	1	Bsp1286 I	G,DGCC`C	-
		3798	3799	4163	4451	BspH I	T`CATG,A	4	BspM I	ACCTGC 10/14	-
		4572	4585	4803	5499	BspM II	T`CCGG,A	-	Bsr I	ACT,GG`	18
		5850	6351	6386	6658	BsrB I	GAG CGG	5	BsrD I	GCAATG, 8	2
		6737	6935			BsrG I	T`GTAC,A	1	Bssh II	G`CGCG,C	5
Sec I	(42)	163	242	252	399	Bsss I	C`TCGT,G	5	Bst1107 I	GTA TAC	-
		463	499	548	549	BstB I	TT`CG,AA	-	BstE II	G`GTNAC,C	3
		696	735	736	748	BstN I	CC`W,GG	22	BstU I	CG CG	27
		749	1169	1238	1247	BstX I	CCAN,NNNN`NTGG	1	Bsty I	R`GATC,Y	12
		1267	1268	1413	1718	Bsu36 I	CC`TNA,GG	3	Cac8 I	GCN NGC	35
		1842	1977	2001	2037	Cfr10 I	R`CCGG,Y	5	ClA I	AT`CG,AT	-
		2094	2154	2250	2286	Csp6 I	G`TA,C	16	Dde I	C`TNA,G	21
		2355	2481	2516	2902	Dpn I	GA TC	34	DpnII	`GATC,	34
		3561	3640	3650	3797	Dra I	TTT AAA	4	Dra III	CAC,NNN`GTG	-
		3860	4162	4583	6657	Drd I	GACNN,NN`NNGTC	4	Dsa I	C`CRYG,G	6
		6735	6741			Eae I	Y`GGCC,R	14	Eag I	C`GGCC,G	3
SfaN I	(21)	187	446	643	940	Ear I	CTCTTC 7/10	6	Eco47 III	AGC GCT	2
		1487	1544	1676	1722	Eco57 I	CTGAAG 21/19	8	Eco72 I	CAC GTG	-
		2900	3585	3843	4519	EcoN I	CCTNN`N,NNAGG	2	EcoO109 I	RG`GNC,CY	6
		5571	5764	6011	6372	EcoR I	G`AATT,C	2	EcoR II	`CCWGG,	22
		6464	6502	6540	6856	EcoR V	GAT ATC	3	Ehe I	GGC GCC	8
		6868				Esp I	GC`TNA,GC	-	Fnu4H I	GC`N,GC	47
Sfc I	(11)	15	919	927	1103	Fok I	GGATG 14/18	16	Fse I	GG,CCGG`CC	-
		1498	2168	3413	4688	Fsp I	TGC GCA	3	Gdi II	`YGGC,CG	13
		4879	5557	6975		Gsu I	CTGGAG 21/19	4	Hae I	WGG CCW	10
Sma I	(2)	401	3799			Hae II	R,CGCG`Y	12	Hae III	GG CC	41
SnaB I	(1)	2882				Hga I	GACGC 9/14	14	Hgia I	G,WGCW`C	7
Spe I	(2)	662	2541			HgiE II	ACCNNNNNNGGT -1/132	1	Hha I	G,CG`C	45
Sph I	(1)	6711				Hinc II	GTY RAC	1	Hind II	GTY RAC	1
Ssp I	(2)	3966	6120			Hind III	A`AGCT,T	1	Hinf I	G`ANT,C	17
Stu I	(2)	2042	2264			HinI I	GR`CG,YC	18	HinP I	G`CG,C	45
Sty I	(10)	252	463	1247	1413	Hpa I	GTT AAC	-	Hpa II	C`CG,G	27
		1977	2037	2250	2902	Hph I	GGTGA 12/11	18	Kas I	G`GGCC,C	8
		3650	3860			Kpn I	G,GTAC`C	2	Mae I	C`TA,G	14
Taq I	(13)	796	1040	1351	1362	Mae II	A`CG,T	16	Mae III	`GTNAC,	24
		1707	1911	1917	2127	Mbo I	`GATC,	34	Mbo II	GAAGA 12/11	17
		3194	3281	3961	4523	Mlu I	A`CGCG,T	1	Mme I	TCCRC 25/23	7
		5967				Mnl I	CCTC 10/10	72	Msc I	TGG CCA	4
Tfi I	(7)	444	804	1439	1771	Mse I	T`TA,A	26	Msl I	CAYNN NNRTG	3
		4001	4258	4398		Msp I	C`CG,G	27	MspA1 I	CMG CKG	12
Tsp45 I	(9)	1024	1233	1972	2143	Mun I	C`AATT,G	-	Nae I	GCC GGC	2
		2149	5572	5783	6359	Nar I	GG`CG,CC	8	Nci I	CC`S,GG	16
		6670				Nco I	C`CATG,G	3	Nde I	CA`TA,TG	2
Tth111 I	(4)	392	813	1219	3790	NgoM I	G`CCGG,C	2	Nhe I	G`CTAG,C	2
Tth111 II	(8)	147	424	615	634	Nla III	,CATG`	23	Nla IV	GGN NCC	43
		3545	5012	5021	5051	Not I	GC`GGCC,GC	1	Nru I	TCG CGA	1
Vsp I	(5)	2549	4066	4194	4253	Nsi I	A,TGCA`T	-	Nsp7524 I	R`CATG,Y	3
		5488				NspB II	CMG CKG	12	NspH I	R,CATG`Y	3
Xba I	(3)	220	1811	3618		Pac I	TTA,AT`TAA	1	Paer7 I	C`TCGA,G	-
Xho II	(12)	2510	3128	3149	3170	Pal I	GG CC	41	PflM I	CCAN,NNN`NTGG	1
		3260	3286	5064	5075	Ple I	GAGTC 9/10	3	Pme I	CTTT AAAC	1
		5161	5173	5941	5958	Pml I	CAC GTG	-	PpuM I	RG`GWC,CY	4
Xma I	(2)	399	3797			Psp1406 I	AA`CG,TT	2	PspA I	C`CCGG,G	2
Xma III	(3)	726	1531	3273		Pst I	C,TGCA`G	4	Pvu I	CG,AT`CG	3
Xmn I	(3)	4029	4067	5915		Pvu II	CAG CTG	5	Rsa I	GT AC	16
						Rsr II	CG`GWC,CG	-	Sac I	G,AGCT`C	3
						Sac II	CC,GC`GG	1	Sal I	G`TCGA,C	1
						Sap I	GCCTCTC 8/11	2	Sau3A I	`GATC,	34
						Sau96 I	G`GNC,C	34	Sca I	AGT ACT	1
						ScrF I	CC`N,GG	38	Sec I	C`CNNG,G	42
						SfaN I	GCATC 9/13	21	Sfc I	C`TRYA,G	11
						Sfi I	GGCCN,NNN`NGGCC	-	Sma I	CCC GGG	2
						SnaB I	TAC GTA	1	Spe I	A`CTAG,T	2
						Sph I	G,CATG`C	1	Spl I	C`GTAC,G	-
						Srf I	GCC GGGC	-	Ssp I	AAT ATT	2
						Stu I	AGG CCT	2	Sty I	C`CWG,G	10
						Taq I	T`CG,A	13	Tfi I	G`AWT,C	7
						Tsp45 I	`GTSAC,	9	Tth111 I	GACN`N,NGTC	4
						Tth111 II	CAARCA 16/14	8	Vsp I	AT`TA,AT	5
						Xba I	T`CTAG,A	3	Xca I	GTA TAC	-
						Xcm I	CCANNNN,NN`NNNNTGG-	-	Xho I	C`TCGA,G	-
						Xho II	R`GATC,Y	12	Xma I	C`CCGG,C	2
						Xma III	C`GGCC,G	3	Xmn I	GAANN NNTTC	3

### Site usage in pSCV-TOFT:

Aat II	G,ACGT`C	7	Acc I	GT`MK,AC	1
Acc65 I	G`GTAC,C	2	Aci I	C`CG,C	80
Afl II	C`TTAA,G	3	Afl III	A`CRYG,T	2
Age I	A`CCGG,T	-	Aha II	GR`CG,YC	18
Ahd I	GACNN,N`NNGTC	5	Alu I	AG CT	36
Alw I	GGATC 8/9	15	AlwN I	CAG,NNN`CTG	3
Apa I	G,GGCC`C	1	ApaL I	G`TGCA,C	3
Apo I	R`AATT,Y	3	Asc I	GG`CGCG,CC	2
Ase I	AT`TA,AT	5	Asp718	G`GTAC,C	2
Ava I	C`YCGR,G	7	Ava II	G`GWC,C	13
Avr II	C`CTAG,G	-	BamH I	G`GATC,C	1
Ban I	G`GYRC,C	18	Ban II	G,RGCY`C	11
Bbe I	G,CGCC`C	8	Bbs I	GAAGAC 8/12	2
Bbv I	GCAAGC 13/17	10	Bbv II	GAAGAC 7/11	2
Bcl I	T`GATC,A	-	Bcn I	CC,S`GG	16