

Supplementary Table 1: DNA zip codes in 39 herpesviruses

PapHV2: NC\_007653.1 156487bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	25685	UL10><UL11	
	56579	UL27 promoter	402
	137039	US2, US3 promoters	242, 83
	150497	RS1(2) promoter	530
MRS*-	132797	RS1(1) promoter	521
GRS1+	53842	UL27 gene	

CercoHV2: NC\_006560.1 150715bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	55063	UL27 promoter	463
MRS*-	135705	US5 promoter	627
GRS1+	52324	UL27 gene	

BHV5: NC\_005261.2 137821bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	111596	RS1(1)< >US1(1)	
	130667	US1(2)< >RS1(2)	
MRS*-	23273	UL40 gene	
	49473	UL29 promoter	453
	55810	UL27 promoter	282
	65218	UL22 promoter	8
	111199	RS1(1)<, >US1(1)	
	130270	US1(2)<, >RS1(2)	
GRS1+	129256	US1(2)><RS1(2)	
GRS1-	112610	RS1(1)><US1(1)	

MachV1: NC\_004812.1 156789bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	55267	UL27 promoter	452
	83972	UL38 promoter	628
MRS*-	52545	UL27 gene	
	93621	UL43 promoter	510
	146879	US9><US10	
GRS1+	52533	UL27 gene	
Put3B+	11437	UL3><UL4	
Put3B-	134937	US1 gene	

SHV1: NC\_006151.1 143461bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	17067	UL27 gene	
	19826	UL27 promoter	104
	93612	UL35 promoter	250
	109932	RS1(1)<>US1	
	132963	US1<>RS1(2)	
	133719	US1<>RS1(2)	
	137013	RS1(2) gene	
	137335	RS1(2) gene	
	141833	RS1(2) gene	
MRS*-	79229	UL11 promoter	855
	102760	RS1(1) gene	
	107258	RS1(1) gene	
	107580	RS1(1) gene	
	110874	RS1(1)<>US1	
	111630	RS1(1)<>US1	
	134651	US1<>RS1(2)	
GRS1+	17205	UL27 gene	
	106642	RS1(1) gene	
GRS1-	98260	LLT gene	
	101012	LLT gene	
	137951	RS1(2) gene	

BHV1: NC\_001847.1 135301bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	105530	RS1(1) gene	
	108453	RS1(1)<>US1	
MRS*-	22516	UL39 gene	
	51812	UL28 promoter	1246
	55112	UL27 promoter	282
	129756	RS1(2) promoter	758
	132679	RS1(2) gene	
GRS1-	16307	UL46 gene	

HHV2: NC\_001798.1 154746bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	56554	UL27 promoter	437
	86699	UL39 promoter	325
	121007	UL56<<RL2(2)	
	121136	UL56<<RL2(2)	
	138247	US4 gene	
	149463	RS1(2) promoter	247

MRS*-	6105	RL2(1)>>UL1	
	6234	RL2(1)>>UL1	
	18246	UL7><UL8	
	53817	UL27 gene	
	114394	UL54 promoter	195
	132270	RS1(1) promoter	238
GRS1+	9657	UL2 promoter	317
	53805	UL27 gene	
GRS1-	70247	UL35 promoter	814
	114967	UL54 gene	
Put3B-	146717	US10 gene	

HHV1: NC\_001806.2 152261bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	56231	UL27 promoter	151
	146749	US12<>RS1(2)	
MRS*-	53485	UL27 gene	
	63430	UL30 gene	
	131475	RS1(1), US1 promoters	18, 623
	135269	US2, US3 genes	
GRS1+	28368	UL15 promoter	436
	53473	UL27 gene	
	62186	UL29 promoter	133
	71981	UL36 gene	
	85538	UL39 promoter	679
	108225	UL50><UL51	
GRS1-	105369	UL48 promoter	110
	114112	UL54 gene	
	116058	UL55 gene	
Put3B+	80515	UL36 gene	
	93723	UL41, 43 promoters	983, 1025
	119192	UL56>>RL2(2)	
Put3B-	7170	RL2(1)>>UL1	
	17901	UL7 gene	
	24925	UL11 gene	
	49834	UL25 gene	
	97191	UL44 gene	
	117113	UL56 promoter	188

PsitHV1: NC\_005264.1 163025bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	41551	UL27 promoter	556
	84328	UL21 promoter	567

	149482	SORF3><ICP4B	
MRS*-	132681	US10 promoter	422
GRS1+	142309	US6 promoter	431
GRS1-	104429	UL8 promoter	645
	144308	US7 gene	
Put3B+	98199	UL12 promoter	824
	120621	UL1<<ICP4A	
Put3B-	52083	UL31 gene	
	161542	ICP4B> genome end	

EHV1: NC\_001491.2 150224bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*-	58044	ORF31 gene	
	58654	ORF32 promoter	589
	61156	ORF33 promoter	276
	136642	ORF76 promoter	141
GRS1+	11498	UL52, 49 promoters	1197; 1051
	76783	UL20 promoter	10
	116486	RS1(1) gene	
GRS1-	75334	UL21 gene	
	85565	UL16 promoter	1055
	101645	UL7, 5 promoters	1313; 730
	134076	US8 promoter	330
	136827	US9 promoter	44
Put3B+	16833	ORF13 gene	
Put3B-	29502	ORF20 promoter	643
	86689	ORF46 gene	

MDV2: AB049735 164270bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	11565	pp24 promoter	56
	61517	UL27 promoter	504
	129001	R-LORF4><R-LORF3	
	130168	R-LORF3 promoter	524
	162067	RS1(2) gene	
MRS*-	3406	R-LORF3 promoter	533
	4573	R-LORF3><R-LORF4	
	122009	pp38 promoter	47
	135396	RS1(1) gene	
GRS1+	18327	UL3.5 promoter	622
	44421	UL19 gene	
	117063	UL55 promoter	247
GRS1-	57527	UL26 gene	

	84589	UL36 gene	
Put3B+	68936	UL30 gene	
	131221	R-LORF2<>R-LORF1	
	131317	R-LORF2<>R-LORF1	
	131381	R-LORF2<>R-LORF1	
	131413	R-LORF2<>R-LORF1	
Put3B-	455	End-R-LORF1	
	1874	R-LORF1<>R-LORF2	
	1912	R-LORF1<>R-LORF2	
	2020	R-LORF1<>R-LORF2	
	2053	R-LORF1<>R-LORF2	

EHV4: NC\_001844.1 145597bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*-	60871	ORF33 promoter	276
GRS1+	63964	ORF33 gene	
	101716	ORF57 promoter	159
	115410	ORF64 gene	
GRS1-	38639	ORF24 gene	
	62270	ORF33 gene	
	97596	ORF54 gene	
	101148	ORF56 gene	
	102761	ORF56 promoter	870
Put3B+	16385	ORF13 gene	
	18546	ORF14 gene	
	117127	ORF64(1) gene	
Put3B-	1233	ORF1 gene	
	140914	ORF64(2) gene	

MelHV1: NC\_002641.1 159160bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	34106	HVt024 gene	
MRS*-	96266	HUT054 gene	
	156222	HUT096 promoter	854
GRS1+	52952	HUT035 gene	
	116941	HUT069 promoter	211
GRS1-	6081	HVT005 promoter	524
Put3B+	160	Near left end	
	70469	HVT0044 gene	
	159069	Near right end	
Put3B-	83977	HUT047 promoter	493
	123518	HUT071<<HUT079	

HHV3: NC\_001348 124884bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	35098	ORF22 gene	
	102408	ORF60<<ORF61	
MRS*-	58072	ORF31 gene	
GRS1+	32456	ORF21 gene	
	67009	ORF37 gene	
	103515	ORF61 gene	
GRS1-	36004	ORF22 gene	
	72185	ORF40 gene	
	93701	ORF53gene	
Put3B+	59755	ORF32 promoter	11
	82791	ORF42 promoter	198
	112574	ORF66 promoter	463
	115019	ORF68 promoter	789
Put3B-	8893	ORF6 promoter	316
	22220	ORF15 gene	
	49397	ORF28 gene	

MDV1: AF147806.2 174077bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	5099	R-LORF6,8 promoters	282, 516
	36527	UL13, UL15 promoters	93, 386
	62735	UL27 promoter	522
	73743	UL31 promoter	556
	125811	LORF12, 13a promoters	412, 212
MRS*-	170330	ICP4(1) gene	
	133568	R-LORF6, 7 promoters	507, 291
GRS1+	142414	ICP4(1) gene	
	19260	UL3 gene	
	121376	LORF10 gene	
	123728	LORF11 gene	
GRS1-	143355	ICP4(1) gene	
	169389	ICP4(2) gene	
Put3B+	117340	UL54 promoter	94

CercoHV9: NC\_002686.2 124784bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	75211	ORF40 gene	
MRS*-	18406	ORF12 gene	
	39044	ORF22 gene	
GRS1+	44877	ORF23 promoter	362
	110543	ORF63(1) gene	

GRS1-	54199	ORF29 gene	
	70175	ORF38 gene	
	118999	ORF63(2) gene	
Put3B+	5964	ORF4 gene	
Put3B-	115035	ORF68 promoter	548

### Beta Herpesviruses

TupHV1: NC\_002794.1 195859bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	62999	gp058 gene	
	70152	gp068 promoter	57
	80041	gp073 gene	
	99411	gp081 promoter	326
	135993	gp107 gene	
MRS*-	47804	gp048 promoter	607
	90743	gp078 gene	
GRS1+	70107	gp068 promoter	12
	132054	gp104 gene	
GRS1-	27840	gp025 gene	
	172392	gp136 gene	
Put3B+	174589	gp136><gp137	
Put3B-	56628	gp054 gene	

MHV2: NC\_002512.1 230138bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	996	R1 gene	
	6060	R2 promoter	701
	17214	R26 promoter	186
	41106	R45 gene	
	56285	R48><R49	
	61939	R54 gene	
	63769	R54 gene	
	68471	R55 promoter	506
	88915	R70.4 promoter	101
	203410	R149 promoter	400
MRS*-	104063	R80><R82	
	169853	R1212 promoter	137
	229280	R169 promoter	100
	229557	R169 promoter	1277
GRS1+	83697	R70 gene	
	136729	R103 gene	
	161984	r119.1 promoter	80

	208513	r151.2 promoter	774
GRS1-	55151	R48 gene	
	185709	r136 promoter	37

PanHV2: NC\_003521.1 241087bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	82433	UL55 gene	
	126424	UL85 promoter	1085
	140550	UL89 promoter	174
	174791	UL122 gene	
	178099	UL124><UL130	
	184752	UL145 promoter	410
	187743	UL141 promoter	121
	191012	UL138 promoter	83
	196003	UL150 gene	
	200080	UL156 promoter	644
MRS*-	637	RL1 promoter	77
	120484	UL82 promoter	28
	130938	UL87 gene	
	149930	UL102 gene	
	154698	UL104 promoter	263
	160239	UL105>>UL112	
	163675	UL112 gene	
	173534	UL122 gene	
	225563	US23 promoter	25
	233966	US30 gene	
GRS1+	93197	UL57<<UL69	
	159943	UL105>>UL112	
	217330	US16 promoter	442
GRS1-	92992	UL57<<UL69	
	205665	US2 promoter	171

MHV1: NC\_004065.1 230278bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	73743	gp050 promoter	130
	80085	gp058><gp059	
	112678	gp074 gene	
	124105	gp079<>gp80	
	160250	gp098<>gp099	
	178484	gp113 promoter	709
	189215	gp124 gene	
	214885	gp124 promoter	837
MRS*-	25120	gp023 promoter	167

	65089	gp051<>gp052	
	70038	gp051<>gp052	
	78515	gp058 gene	
	83431	gp059 gene	
	112315	gp073 gene	
	167622	gp102 promoter	414
	177745	gp113 gene	
	225954	gp157 promoter	393
	228197	gp157 gene	
GRS1+	19053	gp018 gene	
	19686	gp019 promoter	652
	61234	gp049 gene	
	164950	UL113 gene	
	176890	gp113 gene	
GRS1-	816	gp001 gene	
	83579	gp059 gene	
	132180	UL89 gene	
Put3B-	85853	gp059 promoter	37
	142633	gp091 gene	
	153780	gp097 gene	
	171893	gp106 gene	

HHV5: NC\_006273.2 235646bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	22645	UL16 promoter	109
	35097	UL27 promoter	89
	40125	UL31><UL32	
	97322	RNA4.9 gene	
	126399	UL85 promoter	1071
	192055	UL150A gene	
	196061	IRS1 gene	
MRS*-	53643	UL37 promoter	583
	63059	UL47 gene	
	76308	UL53 promoter	778
	76320	UL53 promoter	766
	144878	UL90 gene	
	154360	UL104 promoter	955
	234665	TRS1 gene	
GRS1+	39238	UL31 gene	
Put3B+	146532	UL99><UL100	
	163262	UL112 gene	
Put3B-	46344	UL35 promoter	95
	81999	UL54 promoter	77

MacHV3: NC\_006150.1 221454bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	31472	grh40 gene	
	103230	grh107 promoter	555
MRS*-	51797	grh64 promoter	214
	101996	grh105 gene	
	216798	grh225 gene	
GRS1	157314	Rh156 exon 4	
	192465	grh192 gene	
GRS1-	34560	grh43><grh44	
	183407	grh179, 180 genes	
	185198	grh182 promoter	106
	207659	grh212 promoter	527
Put3B+	192913	grh192 gene	
Put3B-	56876	grh72 gene	
	146935	grh143 gene	

HHV6A: NC\_001664.2 159322bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	5497	DR6 gene	
	59789	U38 promoter	201
	156731	DR6 gene	
MRS*-	9746	U2 gene	
	43753	U30 gene	
	120778	U79 gene	
GRS1-	3377	DR1 gene	
	154611	DR1 gene	
Put3B+	65192	U41 gene	
	78767	U48 gene	
Put3B-	42481	U29 promoter	125

HHV6B: NC\_0000898.1 162114bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	5944	DR6 gene	
	159265	Dr6 gene	
MRS*-	44868	U30 gene	
GRS1+	79071	U47 promoter	72
	109924	U72 promoter	297
GRS1-	16762	U7, U8 genes	
	35440	U21 promoter	486
Put3B+	66312	U41 gene	

	79998	U48 gene	
Put3B-	25471	U14 gene	
	37728	U25 gene	

HHV7: NC\_001716.2 153080bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	59909	U39 gene	
MRS*-	19192	U7 promoter	709
	66861	U41 promoter	242
	81253	US2 promoter	81
Put3B+	26408	U15 gene	
	79084	US1 promoter	443
Put3B-	9947	DR6><U2	
	68527	U42 gene	
	152993	near rt end	

### Gamma Herpesviruses

MacHV4: NC\_006146.1 171096bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	53316	BPLF1 promoter	353
	115264	BDLF1 promoter	325
	150921	BALF5 gene	
	158832	BALF2 gene	
MRS*-	49349	BPLF1 gene	
	59708	BaRF1 promoter	625
	94982	BBRF1 promoter	709
	119107	BcLF1 promoter	10
	156818	BALF3 gene	
	161737	BALF1 promoter	717
GRS1+	107113	BDRF1 Gene	
GRS1-	75472	EBNA-3A gene	
	83405	BZLF2 gene	
	123646	BXLF2 gene	
	125629	BXLF1 gene	
Put3B+	72663	gp350 gene	
Put3B-	113297	BDLF3 promoter	549

HHV4: NC\_007605.1 171823bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	40950	BHLF1 promoter	421
	54562	EBNA1 promoter	627

	56500	BPLF1 gene	
	71547	BMLF1 gene	
	91300	BZLF1 promoter	394
	121342	BDLF1 promoter	325
	143869	LF3 promoter	525
	150657	LF2 promoter	333
	154879	A73 promoter	670
	162771	BALF2 gene	
	167525	BNLF2a promoter	497
MRS*-	65981	BaRF1 promoter	631
	101207	BBLF4 gene	
	104349	BBRF2 gene	
	160758	BALF3 gene	
	165663	LMP2a promoter	348
GRS1+	5952	BNRF1>>BCRF1	
	149329	LF2 gene	
	168529	LMP1 gene	
GRS1-	45767	BFRF1A promoter	469
	97080	BKRF2 promoter	590
	122877	BclF1 gene	
Put3B+	8240	BNRF1>>BCRF1	
Put3B-	6886	BNRF1>>BCRF1	
	41509	BHRF1 promoter	579

EHV2: NC\_001650.1 184427bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	11214	gp01>>gp02	
	12427	gp01>>gp02	
	21470	gp04 gene	
	87821	gp40 promoter	46
	99643	gp49 promoter	64
	117335	gp61 promoter	532
	178088	gp79> rt end	
	179301	gp79> rt end	
MRS*-	12112	gp01>>gp02	
	36483	gp09 gene	
	55388	gp15<<gp16	
	69418	gp25 promoter	673
	73882	gp26 promoter	376
	98650	gp49 gene	
	128794	gp65 gene	
	132034	gp65 gene	
	151490	gp73<>gp74	
	178986	gp79> rt end	

GRS1+	32547	gp08 gene	
	46732	gp10 promoter	218
	60726	gp19 gene	
Put3B-	8955	gp01 promoter	293
	175829	gp79 promoter	293

HHV8: NC\_009333.1 137969bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	1542	ORF4 gene	
	95070	vIRF2promoter	717
	98165	ORF60 promoter	272
	104935	ORF64 gene	
	122816	ORF71 gene	
	126205	ORF73 gene	
MRS*-	36918	ORF22 promoter	294
	52829	ORF33 promoter	32
	115650	ORF68 gene	
GRS1+	76132	K8.1 gene	
GRS1-	57534	ORF34 gene	
	122261	K12<<ORF71	
	134086	ORF75 gene	
Put3B-	66450	PRF44 gene	

OHV2: NC\_007646.1 135135bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	6496	Ov3.5 promoter	347
	55880	BDLF3.5 promoter	499
	81690	Ov8 gene	
	94715	ORF60 promoter	520
	95585	ORF61 gene	
	108682	ORF65 gene	
MRS*-	4276	Ov3 promoter	365
	10305	FGAM gene	
	18988	BALF4 gene	
	52693	TRI2 promoter	384
	59818	BGLF3 promoter	451
	84887	ORF53 promoter	122
GRS1+	37576	ORF17 gene	
	97426	ORF63 promoter	215
GRS1-	23021	ORF9 gene	
Put3B-	41460	ORF19 promoter	463

MacHV5: NC\_003401.1 133719bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	94019	gp70 promoter	207
GRS1+	74303	gp56 gene	
GRS1-	4820	gp03 gene	
	22136	gp12 promoter	155
	101984	gp74 gene	
Put3B+	32628	gp20 gene	
Put3B-	67200	gp48 promoter	14
	76540	gp57 gene	
	92111	gp68 promoter	567
	104996	gp74 gene	
	119130	gp83 promoter	405

CallHV3: NC\_004367.1 149696bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	628	C1 gene	
	92549	gp58 promoter	534
MRS*-	4116	gp04 promoter	448
	13981	gp07 gene	
	73823	gp45 gene	
	132834	gp71<<gp72	
GRS1+	72716	gp44 promoter	25
	93247	gp59 gene	
	120961	gp71 gene	
	123873	gp71 gene	
	126785	gp71 gene	
	129697	gp71<<gp72	
GRS1-	36555	gp18 promoter	668
	101221	gp62 gene	
	105329	gp62 gene	
Put3B-	15579	gp07 gene	

MHV4: NC\_001826.2 119451bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	1305	Near left end	
GRS1+	29900	ORF18 promoter	18
	106551	ORF73 gene	
	109842	ORF73 gene	
GRS1-	46927	ORF30 promoter	581
	56795	ORF40 promoter	252
	69861	ORF51 gene	

	71936	ORF53 promoter	234
Put3B-	108430	ORF75 gene	

AlcHV1: NC\_002531.1 130608bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	66699	gp40 promoter	241
	89618	gp57 promoter	271
	89846	gp57 promoter	499
	117185	gp68 gene	
	117xxx	gp68 gene	
	24 more		
MRS*-	84228	gp54 promoter	234
	129034	gp71 gene	
GRS1-	123447	gp69 gene	
Put3B-	30321	gp13><gp14	
	38271	gp16, 17 promoters	463, 75

BHV4: NC\_002665.1 108873bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	13694	DPOL promoter	490
	13850	DPOL promoter	334
	66757	gp51 gene	
	77149	gp59 promoter	526
MRS*-	15572	DPOL gene	
GRS1+	9807	gp06 gene	
	74454	gp57 promoter	90
	100189	gp57 promoter	758
GRS1-	31368	gH gene	
	53732	gp40 gene	
	61181	gL promoter	445
	85370	gp63 gene	
Put3B+	4253	gp03 promoter	355

AtelHV3: NC\_001987.1 108409bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	32279	gp17 gene	
	62711	gp44 promoter	549
	62756	gp44 promoter	594
	62783	gp44 promoter	621
	62801	gp44 promoter	639
	62819	gp44 promoter	657
GRS1-	15813	gp06 gene	

	77704	gp56 promoter	100
	82086	gp59 promoter	149
Put3B+	75024	gp53><gp55	

SamHV2: NC\_001350.1 112930bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	10515	mCCPH promoter	397
	106972	gp74 gene	
	107503	gp75 promoter	229
MRS*-	38572	gp23 gene	
	55687	gp38 promoter	107
GRS1+	30019	gp17 promoter	303
Put3B-	57234	gp39 gene	

Allo/Malaco Herpesviruses

ItalHV1: NC\_001493.2 134226bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	5433	ORF3L gene	
	23942	ORF17 promoter	214
	29297	ORF22gene	
	121103	ORF3R gene	
MRS*-	22300	ORF16<<ORF17	
	77208	ORF57 gene	
GRS1+	98509	ORF70 gene	
GRS1-	40962	ORF35 promoter	745
	89829	ORF65 gene	
	111351	ORF75 gene	
Put3B+	17149	ORF10L><ORF14L	
	39147	ORF32 promoter	212
	42836	ORF36 gene	
	61510	ORF48 gene	
	132819	ORF13R><ORF14R	
Put3B-	72523	ORF56 gene	

OstHV1: NC\_005881.1 207439bp

Zip Code	Location	Region/Promoter	BP to gene start
MRS*+	45994	gp027 gene	
	202164	gp125 promoter	707
MRS*-	111481	gp065 gene	
	114559	gp066><gp067	
	158901	gp097 gene	
	189788	gp114 promoter	698

GRS1+	21238	gp012,013 promoter	301, 252
	22284	gp014 promoter	136
	143915	gp090 promoter	131
	144127	gp091 promoter	160
	157807	gp097 gene	
	159466	gp097 gene	
	165520	gp099 gene	
	174518	gp106 promoter	589
	204520	gp126 gene	
GRS1-	187432	gp113 gene	
Put3B+	48142	gp030 promoter	300
	75464	gp048 gene	
	160136	gp097 gene	