

Table S1: ArrayStar output of nonsynonymous mutations

Ref ID	Ref Pos	Gene Name	Common Name	1982-M6152	19-043682
NC_014760	375	dnaA			A>G
NC_014760	1717	MBOVPG45_RS00010			G>A
NC_014760	3257	MBOVPG45_RS00030		A>C	
NC_014760	4439	MBOVPG45_RS00035			T>A
NC_014760	5197	MBOVPG45_RS00040			T>C
NC_014760	5268	MBOVPG45_RS00040			A>G
NC_014760	5880	MBOVPG45_RS00040			G>C
NC_014760	6185	MBOVPG45_RS00045			T>C
NC_014760	6190	MBOVPG45_RS00045			T>C
NC_014760	6203	MBOVPG45_RS00045			TA>CT
NC_014760	7253	MBOVPG45_RS00050			C>T
NC_014760	11281	MBOVPG45_RS00070			C>T
NC_014760	14976	MBOVPG45_RS00085			G>T
NC_014760	15908	MBOVPG45_RS00090			C>A
NC_014760	22594	MBOVPG45_RS00115			T > del 1
NC_014760	23094	MBOVPG45_RS00115		TG > del 2	TGTGTG > del 6
NC_014760	30658	MBOVPG45_RS00155			A>T
NC_014760	36577	MBOVPG45_RS00180			G>T
NC_014760	36678	MBOVPG45_RS00180			T>C
NC_014760	36735	MBOVPG45_RS00185			T>C
NC_014760	37695	MBOVPG45_RS00185			C>G
NC_014760	38123	MBOVPG45_RS00185			G>A
NC_014760	38466	MBOVPG45_RS00185			C>T
NC_014760	38516	MBOVPG45_RS00185			T>C
NC_014760	38799	MBOVPG45_RS00185			T>C
NC_014760	38809	MBOVPG45_RS00185			G>T
NC_014760	38889	MBOVPG45_RS00185			C>T
NC_014760	38952	MBOVPG45_RS00185			C>T
NC_014760	41706	MBOVPG45_RS00190		A>G	A>G
NC_014760	43391	MBOVPG45_RS00190			A>T
NC_014760	43393	MBOVPG45_RS00190			A>T
NC_014760	44647	MBOVPG45_RS00190			C>T
NC_014760	45249	MBOVPG45_RS00190			T>G
NC_014760	53148	MBOVPG45_RS00205	class I tRNA ligase family protein		A>T
NC_014760	53160	MBOVPG45_RS00205	class I tRNA ligase family protein		G>A
NC_014760	53170	MBOVPG45_RS00205	class I tRNA ligase family protein		GA>AT

NC_014760	53230	MBOVPG45_RS00205	class I tRNA ligase family protein		A>G
NC_014760	53609	MBOVPG45_RS00205	class I tRNA ligase family protein		G>T
NC_014760	53716	MBOVPG45_RS00205	class I tRNA ligase family protein		TG>CA
NC_014760	53726	MBOVPG45_RS00205	class I tRNA ligase family protein		G>A
NC_014760	53916	MBOVPG45_RS00205	class I tRNA ligase family protein		C>T
NC_014760	54060	MBOVPG45_RS00205	class I tRNA ligase family protein		G>A
NC_014760	54319	rlmB			T>C
NC_014760	54588	rlmB			A>G
NC_014760	54593	rlmB			T>A
NC_014760	54646	rlmB			T>C
NC_014760	54822	rlmB			A>G
NC_014760	54964	MBOVPG45_RS00215			G>A
NC_014760	55020	MBOVPG45_RS00215			T>G
NC_014760	55057	MBOVPG45_RS00215			T>A
NC_014760	55111	MBOVPG45_RS00215			A>G
NC_014760	55239	MBOVPG45_RS00215			G>A
NC_014760	55733	secE			G>A
NC_014760	60006	MBOVPG45_RS00235			A>G
NC_014760	61188	MBOVPG45_RS00240			G>T
NC_014760	61321	MBOVPG45_RS00245			GG>AA
NC_014760	61648	MBOVPG45_RS00245			C>T
NC_014760	61669	MBOVPG45_RS00245			A>G
NC_014760	65553	MBOVPG45_RS00270			TG>AA
NC_014760	65629	MBOVPG45_RS00270			G>T
NC_014760	66075	MBOVPG45_RS00275			G>A
NC_014760	66237	MBOVPG45_RS00275			T>C
NC_014760	66243	MBOVPG45_RS00275			T>C
NC_014760	66640	MBOVPG45_RS00275			G>T
NC_014760	66759	MBOVPG45_RS00275			T>C
NC_014760	66765	MBOVPG45_RS00275			GA>TG
NC_014760	66811	MBOVPG45_RS00275			T>A
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NC_014760	67168	rsmA			T>C
NC_014760	67188	rsmA			T>C
NC_014760	67235	rsmA			G>T

NC_014760	67257	rsmA			AT>GC
NC_014760	67309	rsmA			A>G
NC_014760	67846	MBOVPG45_RS00285			C>A
NC_014760	68017	MBOVPG45_RS00285			C>A
NC_014760	68171	MBOVPG45_RS00285			T>A
NC_014760	68424	MBOVPG45_RS00285			C>T
NC_014760	68496	MBOVPG45_RS00285			C>T
NC_014760	68835	mnmA			C>T
NC_014760	68913	mnmA			C>T
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NC_014760	74078	MBOVPG45_RS00310			T>C
NC_014760	74822	rnpA			C>T
NC_014760	74964	rnpA			C>T
NC_014760	75016	rnpA			A>C
NC_014760	75564	yidC			G>A
NC_014760	75654	yidC			G>C
NC_014760	75847	yidC			A>G
NC_014760	75859	yidC		- > ins TGCTTTTATCTAT	
NC_014760	75862	yidC		A>T	
NC_014760	75910	yidC			A>T
NC_014760	76057	yidC			A>G
NC_014760	76069	yidC			C>T
NC_014760	76075	yidC			T>A
NC_014760	76341	yidC			A>G
NC_014760	78149	MBOVPG45_RS00330			T>A
NC_014760	78548	MBOVPG45_RS00335			T>G
NC_014760	78594	MBOVPG45_RS00335			A>T
NC_014760	78647	MBOVPG45_RS00335			G>A
NC_014760	78669	MBOVPG45_RS00335			A>G
NC_014760	78915	MBOVPG45_RS00335		A>G	
NC_014760	78953	MBOVPG45_RS00335			C>T
NC_014760	79432	MBOVPG45_RS00340			C>T
NC_014760	80472	MBOVPG45_RS00345			A>G
NC_014760	80743	MBOVPG45_RS00345			G>C
NC_014760	80886	MBOVPG45_RS00345			G>A
NC_014760	81331	MBOVPG45_RS00350			A>T
NC_014760	81365	MBOVPG45_RS00350			A>T
NC_014760	81376	MBOVPG45_RS00350			A>G
NC_014760	81645	MBOVPG45_RS00350			A>G
NC_014760	81679	MBOVPG45_RS00350			C>T
NC_014760	82020	MBOVPG45_RS00350		C>T	
NC_014760	82431	MBOVPG45_RS00350			T>C

NC_014760	82632	MBOVPG45_RS00350			T>G
NC_014760	82961	MBOVPG45_RS00350			T>A
NC_014760	83290	MBOVPG45_RS00350			G>A
NC_014760	83544	MBOVPG45_RS00350			CT>AC
NC_014760	83547	MBOVPG45_RS00350			A>G
NC_014760	83935	MBOVPG45_RS00350			TC>CT
NC_014760	84626	MBOVPG45_RS00350			A>T
NC_014760	85191	MBOVPG45_RS00350			A>C
NC_014760	86893	MBOVPG45_RS00365			A>G
NC_014760	86940	MBOVPG45_RS00365			A>C
NC_014760	87140	MBOVPG45_RS00365			C>A
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NC_014760	88230	MBOVPG45_RS00375			C>A
NC_014760	88567	MBOVPG45_RS00375			T>A
NC_014760	89028	MBOVPG45_RS00380			A>G
NC_014760	89069	MBOVPG45_RS00380			G>A
NC_014760	89071	MBOVPG45_RS00380			G>T
NC_014760	89178	MBOVPG45_RS00380			A>G
NC_014760	89419	MBOVPG45_RS00380			T>A
NC_014760	89487	MBOVPG45_RS00380			T>C
NC_014760	89965	MBOVPG45_RS00380			A>T
NC_014760	90304	MBOVPG45_RS00380			T>G
NC_014760	90576	MBOVPG45_RS00380			G>A
NC_014760	90597	MBOVPG45_RS00380			T>C
NC_014760	90710	MBOVPG45_RS00380			A>G
NC_014760	90714	MBOVPG45_RS00380			TG>CA
NC_014760	90803	MBOVPG45_RS00380			C>G
NC_014760	90836	MBOVPG45_RS00380			G>T
NC_014760	90866	MBOVPG45_RS00380			T>A
NC_014760	90883	MBOVPG45_RS00380			A>T
NC_014760	90915	MBOVPG45_RS00380			C>T
NC_014760	90917	MBOVPG45_RS00380			A>G
NC_014760	91227	MBOVPG45_RS00385			G>A
NC_014760	91874	MBOVPG45_RS00385			G>A
NC_014760	92015	MBOVPG45_RS00385			A>G
NC_014760	92082	MBOVPG45_RS00385			C>A
NC_014760	92091	MBOVPG45_RS00385			A>G
NC_014760	92255	pip			A>G
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NC_014760	92524	pip			T>G
NC_014760	92566	pip			A>G
NC_014760	92568	pip			C>T
NC_014760	92613	pip			C>T
NC_014760	93133	pip			G>A

NC_014760	93312	MBOVPG45_RS00395			G>A
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NC_014760	93616	MBOVPG45_RS00395			CC>TT
NC_014760	93898	MBOVPG45_RS00395			AT>TC
NC_014760	93952	MBOVPG45_RS00395			A>G
NC_014760	94105	MBOVPG45_RS00395			T>C
NC_014760	94135	MBOVPG45_RS00395			AG>GA
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NC_014760	94484	MBOVPG45_RS00400			A>T
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NC_014760	94589	MBOVPG45_RS00400			A>G
NC_014760	94603	MBOVPG45_RS00400			A>T
NC_014760	94639	MBOVPG45_RS00400			G>A
NC_014760	94673	MBOVPG45_RS00400			A>C
NC_014760	94738	MBOVPG45_RS00400			A>G
NC_014760	94954	MBOVPG45_RS00405			A>G
NC_014760	95286	MBOVPG45_RS00405			A>C
NC_014760	95430	MBOVPG45_RS00405			T>C
NC_014760	95724	MBOVPG45_RS00405			T>C
NC_014760	95798	MBOVPG45_RS00405			G>T
NC_014760	95873	MBOVPG45_RS00405			C>A
NC_014760	96345	MBOVPG45_RS00410			A>G
NC_014760	96681	MBOVPG45_RS00410			TG>CA
NC_014760	97237	MBOVPG45_RS00415			T>G
NC_014760	97602	MBOVPG45_RS00415		A>G	A>G
NC_014760	97890	MBOVPG45_RS00420			C>T
NC_014760	98154	MBOVPG45_RS00420			C>T
NC_014760	98204	MBOVPG45_RS00420			G>A
NC_014760	98207	MBOVPG45_RS00420			AT>GC
NC_014760	98415	MBOVPG45_RS00420			GC>AT
NC_014760	98477	MBOVPG45_RS00420			C>T
NC_014760	98682	MBOVPG45_RS00420			T>C
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NC_014760	98697	MBOVPG45_RS00420			AC>GT
NC_014760	98761	MBOVPG45_RS00420			A>T
NC_014760	98822	MBOVPG45_RS00420			G>A
NC_014760	98831	MBOVPG45_RS00420			G>A
NC_014760	98853	MBOVPG45_RS00420			A>T
NC_014760	99221	MBOVPG45_RS00425			A>G
NC_014760	99224	MBOVPG45_RS00425			C>A
NC_014760	99358	fbA			T>C
NC_014760	99432	fbA			TA>CG
NC_014760	99917	fbA			C>T
NC_014760	100528	MBOVPG45_RS00435			T>A
NC_014760	100586	MBOVPG45_RS00435			G>A

NC_014760	100588	MBOVPG45_RS00435			TT>CC
NC_014760	102115	MBOVPG45_RS00445			T>C
NC_014760	102344	MBOVPG45_RS00450			A>G
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NC_014760	102358	MBOVPG45_RS00450			A>G
NC_014760	104072	MBOVPG45_RS00460			AAT > del 3
NC_014760	104112	MBOVPG45_RS00460			C>T
NC_014760	104133	MBOVPG45_RS00460			G>A
NC_014760	104148	MBOVPG45_RS00460			A>G
NC_014760	104430	MBOVPG45_RS00460			G>A
NC_014760	104443	MBOVPG45_RS00460			C>T
NC_014760	104541	MBOVPG45_RS00460			T>G
NC_014760	104555	MBOVPG45_RS00460			A>C
NC_014760	104568	MBOVPG45_RS00460			T>C
NC_014760	104581	MBOVPG45_RS00460			G>A
NC_014760	104591	MBOVPG45_RS00460			T>G
NC_014760	104611	MBOVPG45_RS00460			T>A
NC_014760	104616	MBOVPG45_RS00460			T>C
NC_014760	104626	MBOVPG45_RS00460			T>C
NC_014760	104635	MBOVPG45_RS00460			TG>GA
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NC_014760	105633	MBOVPG45_RS00470			A>G
NC_014760	105688	MBOVPG45_RS00470			A>C
NC_014760	105782	MBOVPG45_RS00470			A>G
NC_014760	105858	MBOVPG45_RS00470			C>T
NC_014760	105968	MBOVPG45_RS00470			G>A
NC_014760	106091	MBOVPG45_RS00470			G>T
NC_014760	106097	MBOVPG45_RS00470			A>G
NC_014760	106274	MBOVPG45_RS00475			G>A
NC_014760	106355	MBOVPG45_RS00475			A>G
NC_014760	106387	MBOVPG45_RS00475			T>A
NC_014760	106703	ylqF			T>C
NC_014760	106787	ylqF			T>C
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NC_014760	107531	MBOVPG45_RS00485			C>T
NC_014760	107716	MBOVPG45_RS00485			T>G
NC_014760	107976	MBOVPG45_RS00490			G>C
NC_014760	108118	MBOVPG45_RS00490			A>G
NC_014760	108131	MBOVPG45_RS00490			T>C
NC_014760	108358	MBOVPG45_RS00490			G>A
NC_014760	108881	MBOVPG45_RS00495			G>A
NC_014760	109283	MBOVPG45_RS00495			A>G

NC_014760	109687	MBOVPG45_RS00495			C>A
NC_014760	109760	MBOVPG45_RS00495			C>T
NC_014760	110067	MBOVPG45_RS00500			A>G
NC_014760	110917	MBOVPG45_RS00505			TC>CT
NC_014760	110986	MBOVPG45_RS00505			T>G
NC_014760	111027	MBOVPG45_RS00505			C>T
NC_014760	111031	MBOVPG45_RS00505			C>T
NC_014760	111128	MBOVPG45_RS00505			A>T
NC_014760	111274	MBOVPG45_RS00505			A>T
NC_014760	111288	MBOVPG45_RS00505			AT>GC
NC_014760	111369	MBOVPG45_RS00505			G>A
NC_014760	111454	MBOVPG45_RS00505			C>T
NC_014760	111456	MBOVPG45_RS00505			C>T
NC_014760	115075	lpdA		C>T	
NC_014760	116070	lpdA			C>T
NC_014760	117143	MBOVPG45_RS00540			G>C
NC_014760	117345	MBOVPG45_RS00540			C>T
NC_014760	117352	MBOVPG45_RS00540			T>A
NC_014760	118227	MBOVPG45_RS00545			A>G
NC_014760	119112	MBOVPG45_RS00550			A>T
NC_014760	119162	MBOVPG45_RS00550			G>A
NC_014760	119276	MBOVPG45_RS00550			A>C
NC_014760	119321	MBOVPG45_RS00550			A>T
NC_014760	119337	MBOVPG45_RS00550		A>C	A>C
NC_014760	119368	MBOVPG45_RS00550			A>G
NC_014760	119481	MBOVPG45_RS00550			TG>CA
NC_014760	119491	MBOVPG45_RS00550			A>G
NC_014760	119496	MBOVPG45_RS00550			TGG>GAA
NC_014760	119500	MBOVPG45_RS00550			A>C
NC_014760	119529	MBOVPG45_RS00550			CA>TG
NC_014760	119623	MBOVPG45_RS00550			G>A
NC_014760	119730	MBOVPG45_RS00550			AG>GC
NC_014760	119854	MBOVPG45_RS00550			C>G
NC_014760	119864	MBOVPG45_RS00550			A>G
NC_014760	119913	MBOVPG45_RS00550			CT>TG
NC_014760	119980	MBOVPG45_RS00550			A>C
NC_014760	120041	MBOVPG45_RS00550			A>T
NC_014760	120062	MBOVPG45_RS00550			A>G
NC_014760	120126	MBOVPG45_RS00550			G>T
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NC_014760	120206	MBOVPG45_RS00550			G>A
NC_014760	120274	MBOVPG45_RS00550			G>C
NC_014760	120279	MBOVPG45_RS00550			T>A
NC_014760	120283	MBOVPG45_RS00550			G>A
NC_014760	120381	MBOVPG45_RS00550			G>T
NC_014760	120431	MBOVPG45_RS00550			C>T

NC_014760	120610	MBOVPG45_RS00550			A>G
NC_014760	120657	MBOVPG45_RS00550			A>T
NC_014760	120669	MBOVPG45_RS00550			A>T
NC_014760	120752	MBOVPG45_RS00550			C>T
NC_014760	120905	MBOVPG45_RS00550			G>A
NC_014760	120935	MBOVPG45_RS00550			C>A
NC_014760	121116	MBOVPG45_RS00550			TA>CC
NC_014760	121128	MBOVPG45_RS00550			T>A
NC_014760	121158	MBOVPG45_RS00550			A>G
NC_014760	121309	MBOVPG45_RS00550			G>T
NC_014760	121454	MBOVPG45_RS00550			G>A
NC_014760	121490	MBOVPG45_RS00550			A>C
NC_014760	121582	MBOVPG45_RS00550			G>A
NC_014760	121584	MBOVPG45_RS00550			T>A
NC_014760	121622	MBOVPG45_RS00550			G>A
NC_014760	121624	MBOVPG45_RS00550			G>A
NC_014760	121640	MBOVPG45_RS00550			G>A
NC_014760	121655	MBOVPG45_RS00550			A>C
NC_014760	121714	MBOVPG45_RS00550			A>G
NC_014760	121720	MBOVPG45_RS00550			C>T
NC_014760	122978	MBOVPG45_RS00555			A>G
NC_014760	122991	MBOVPG45_RS00555			G>A
NC_014760	126802	MBOVPG45_RS00570			G>A
NC_014760	126809	MBOVPG45_RS00570			A>G
NC_014760	126829	MBOVPG45_RS00570			C>G
NC_014760	127076	MBOVPG45_RS00570			A>T
NC_014760	128082	MBOVPG45_RS00575		T>A	
NC_014760	128470	MBOVPG45_RS00575			G>A
NC_014760	129778	MBOVPG45_RS00585			C>A
NC_014760	132243	MBOVPG45_RS00590			C>T
NC_014760	132696	MBOVPG45_RS00590			C>T
NC_014760	132891	MBOVPG45_RS00595			T>C
NC_014760	133930	MBOVPG45_RS00600			C>T
NC_014760	141369	MBOVPG45_RS00640			G>A
NC_014760	142341	MBOVPG45_RS00640		A>G	
NC_014760	144605	MBOVPG45_RS00650			G>A
NC_014760	144619	MBOVPG45_RS00650			A>G
NC_014760	144920	MBOVPG45_RS00650			C>T
NC_014760	145304	MBOVPG45_RS00650			C>T
NC_014760	145513	MBOVPG45_RS00650			C>T
NC_014760	145685	MBOVPG45_RS00650			T>C
NC_014760	145789	MBOVPG45_RS00650			G>A
NC_014760	145813	MBOVPG45_RS00650			GT>TC
NC_014760	145896	MBOVPG45_RS00650		A>T	
NC_014760	146413	pepF			T>C
NC_014760	146541	pepF			T>C
NC_014760	147487	pepF			T>A

NC_014760	147489	pepF			C>T
NC_014760	154022	MBOVPG45_RS00690			G>A
NC_014760	154045	MBOVPG45_RS00690			C>T
NC_014760	154170	MBOVPG45_RS00690			T>A
NC_014760	154333	MBOVPG45_RS00690			C>T
NC_014760	154382	MBOVPG45_RS00690			G>A
NC_014760	154405	MBOVPG45_RS00690			G>A
NC_014760	154409	MBOVPG45_RS00690			- > ins A
NC_014760	154597	MBOVPG45_RS00690			T>A
NC_014760	154739	MBOVPG45_RS00690			G>A
NC_014760	154975	MBOVPG45_RS00690			G>A
NC_014760	155075	MBOVPG45_RS00690			C>T
NC_014760	155102	MBOVPG45_RS00690			C>T
NC_014760	155399	thil			G>A
NC_014760	155411	thil			A>C
NC_014760	155489	thil			A>G
NC_014760	156302	thil			G>A
NC_014760	156567	MBOVPG45_RS00700		A>T	
NC_014760	157477	MBOVPG45_RS00705			G>A
NC_014760	157703	MBOVPG45_RS00705			T>A
NC_014760	158334	MBOVPG45_RS00705			T>A
NC_014760	158416	MBOVPG45_RS00705			A>G
NC_014760	158505	MBOVPG45_RS00710		A>C	
NC_014760	158545	MBOVPG45_RS00710			C>G
NC_014760	158547	MBOVPG45_RS00710			GG>TC
NC_014760	158619	MBOVPG45_RS00710			GC>TT
NC_014760	158646	MBOVPG45_RS00710			G>T
NC_014760	158687	MBOVPG45_RS00710			C>T
NC_014760	158695	MBOVPG45_RS00710			TA>CT
NC_014760	158723	MBOVPG45_RS00710			C>T
NC_014760	158738	MBOVPG45_RS00710			T>G
NC_014760	158746	MBOVPG45_RS00710			A>T
NC_014760	158768	MBOVPG45_RS00710			C>A
NC_014760	158815	MBOVPG45_RS00710			C>T
NC_014760	158826	MBOVPG45_RS00710			CC>TT
NC_014760	158912	MBOVPG45_RS00710			G>C
NC_014760	158932	MBOVPG45_RS00710			AT>GA
NC_014760	159038	MBOVPG45_RS00710			T>C
NC_014760	159083	MBOVPG45_RS00710			C>T
NC_014760	159088	MBOVPG45_RS00710			T>C
NC_014760	159092	MBOVPG45_RS00710			C>T
NC_014760	159115	MBOVPG45_RS00710			T>A
NC_014760	159117	MBOVPG45_RS00710			GC>AT
NC_014760	159131	MBOVPG45_RS00710			C>T
NC_014760	159136	MBOVPG45_RS00710			A>T
NC_014760	159220	MBOVPG45_RS00710			T>A
NC_014760	162561	MBOVPG45_RS00725			C>G

NC_014760	162573	MBOVPG45_RS00725			A>T
NC_014760	162661	MBOVPG45_RS00725			T>A
NC_014760	162852	MBOVPG45_RS00725			CGA>GAG
NC_014760	163046	MBOVPG45_RS00725			C>T
NC_014760	163071	MBOVPG45_RS00725			C>T
NC_014760	163084	MBOVPG45_RS00725			C>A
NC_014760	163100	MBOVPG45_RS00725			T>C
NC_014760	163136	MBOVPG45_RS00725			T>C
NC_014760	163148	MBOVPG45_RS00725			C>G
NC_014760	163155	MBOVPG45_RS00725			T>C
NC_014760	163167	MBOVPG45_RS00725			C>T
NC_014760	163183	MBOVPG45_RS00725			G>T
NC_014760	163287	MBOVPG45_RS00725			T>C
NC_014760	163345	MBOVPG45_RS00725		A>C	A>C
NC_014760	163427	MBOVPG45_RS00725			- > ins CT
NC_014760	163428	MBOVPG45_RS00725		- > ins C	A>C
NC_014760	164311	MBOVPG45_RS00730			C>G
NC_014760	164323	MBOVPG45_RS00730			A>T
NC_014760	164411	MBOVPG45_RS00730			T>A
NC_014760	164602	MBOVPG45_RS00730			CGA>GAG
NC_014760	164796	MBOVPG45_RS00730			C>T
NC_014760	164821	MBOVPG45_RS00730			C>T
NC_014760	164834	MBOVPG45_RS00730			C>A
NC_014760	164850	MBOVPG45_RS00730			T>C
NC_014760	164886	MBOVPG45_RS00730			T>C
NC_014760	164898	MBOVPG45_RS00730			C>G
NC_014760	164905	MBOVPG45_RS00730			T>C
NC_014760	164917	MBOVPG45_RS00730			C>T
NC_014760	164933	MBOVPG45_RS00730			G>T
NC_014760	165037	MBOVPG45_RS00730			T>C
NC_014760	165095	MBOVPG45_RS00730		A>C	A>C
NC_014760	165178	MBOVPG45_RS00730			A > del 1
NC_014760	165866	MBOVPG45_RS00735			C>T
NC_014760	165923	MBOVPG45_RS00735			G>A
NC_014760	165934	MBOVPG45_RS00735			C>T
NC_014760	167558	MBOVPG45_RS00735			A>G
NC_014760	167648	MBOVPG45_RS00735			C>A
NC_014760	167717	MBOVPG45_RS00735			C>T
NC_014760	170114	MBOVPG45_RS00740			A>G
NC_014760	170155	MBOVPG45_RS00740			G>A
NC_014760	170211	MBOVPG45_RS00740			CG>TA
NC_014760	170358	MBOVPG45_RS00740			A>G
NC_014760	170626	MBOVPG45_RS00740			G>T
NC_014760	170808	MBOVPG45_RS00740			G>A
NC_014760	170867	MBOVPG45_RS00740			G>A
NC_014760	170942	MBOVPG45_RS00745			C>T
NC_014760	171669	MBOVPG45_RS00745			GT>AA

NC_014760	172051	MBOVPG45_RS00750			C>G
NC_014760	172067	MBOVPG45_RS00750			G>A
NC_014760	172129	MBOVPG45_RS00750			G>T
NC_014760	172843	MBOVPG45_RS00750			G>A
NC_014760	173363	MBOVPG45_RS00755			A>G
NC_014760	174043	MBOVPG45_RS00755			- > ins ATAA
NC_014760	174264	MBOVPG45_RS00760			A>G
NC_014760	174840	MBOVPG45_RS00765			C>T
NC_014760	174980	MBOVPG45_RS00765			A>T
NC_014760	175008	MBOVPG45_RS00765			C>T
NC_014760	175061	MBOVPG45_RS00765			G>A
NC_014760	175241	MBOVPG45_RS00770			C>T
NC_014760	175259	MBOVPG45_RS00770			C>T
NC_014760	175673	MBOVPG45_RS00770			GA>AC
NC_014760	176049	MBOVPG45_RS00770			A>G
NC_014760	176128	MBOVPG45_RS00770			A>T
NC_014760	176136	MBOVPG45_RS00770			G>A
NC_014760	176156	MBOVPG45_RS00770			G>A
NC_014760	176162	MBOVPG45_RS00770			A>G
NC_014760	176282	MBOVPG45_RS00770			G>A
NC_014760	176291	MBOVPG45_RS00770			A>G
NC_014760	176293	MBOVPG45_RS00770			T>A
NC_014760	176378	MBOVPG45_RS00770			A>T
NC_014760	176402	MBOVPG45_RS00770			A>G
NC_014760	176413	MBOVPG45_RS00770			T>A
NC_014760	176418	MBOVPG45_RS00770			CT>AG
NC_014760	176458	MBOVPG45_RS00770			A>T
NC_014760	176531	MBOVPG45_RS00770			A>G
NC_014760	176536	MBOVPG45_RS00770			T>A
NC_014760	176544	MBOVPG45_RS00770			G>A
NC_014760	176556	MBOVPG45_RS00770			G>A
NC_014760	176561	MBOVPG45_RS00770			C>T
NC_014760	176577	MBOVPG45_RS00770			CATCAT > del 6
NC_014760	178094	pyk			A>T
NC_014760	178282	MBOVPG45_RS00780			CG>TA
NC_014760	178366	MBOVPG45_RS00780			A>G
NC_014760	178534	MBOVPG45_RS00780			T>C
NC_014760	178566	MBOVPG45_RS00780			A>G
NC_014760	178723	MBOVPG45_RS00780			TA>CT
NC_014760	178734	MBOVPG45_RS00780			A>T
NC_014760	178742	MBOVPG45_RS00780			A>T
NC_014760	178744	MBOVPG45_RS00780			T>G
NC_014760	178788	MBOVPG45_RS00780			T>A
NC_014760	178794	MBOVPG45_RS00780			T>G
NC_014760	178804	MBOVPG45_RS00780			T>C
NC_014760	178930	MBOVPG45_RS00780			C>T
NC_014760	178967	MBOVPG45_RS00780			C>A

NC_014760	178970	MBOVPG45_RS00780			C>A
NC_014760	179088	MBOVPG45_RS00780			G>A
NC_014760	179091	MBOVPG45_RS00780			G>A
NC_014760	179120	MBOVPG45_RS00780			GC>AT
NC_014760	179140	MBOVPG45_RS00780			C>T
NC_014760	179169	MBOVPG45_RS00780			A>G
NC_014760	180543	dnaK			A>T
NC_014760	181213	dnaK			- > ins ATTCATCAAATA ATA
NC_014760	181437	MBOVPG45_RS00790			T>C
NC_014760	181543	MBOVPG45_RS00790			A>C
NC_014760	181664	MBOVPG45_RS00790			T>C
NC_014760	181738	MBOVPG45_RS00790			C>T
NC_014760	182080	MBOVPG45_RS00790			T>C
NC_014760	182093	MBOVPG45_RS00790			C>A
NC_014760	182535	MBOVPG45_RS00790			T>A
NC_014760	182781	MBOVPG45_RS00795			C>T
NC_014760	182786	MBOVPG45_RS00795			G>A
NC_014760	182922	MBOVPG45_RS00795			A>G
NC_014760	183309	MBOVPG45_RS00800		C>T	
NC_014760	183325	MBOVPG45_RS00800			C>G
NC_014760	183406	MBOVPG45_RS00800			T>C
NC_014760	183452	MBOVPG45_RS00800			A>T
NC_014760	183483	MBOVPG45_RS00800			T>G
NC_014760	183733	MBOVPG45_RS00800			A>T
NC_014760	184166	MBOVPG45_RS00800			AC>GT
NC_014760	184839	MBOVPG45_RS00805			T>C
NC_014760	184992	MBOVPG45_RS00805			C>T
NC_014760	185171	MBOVPG45_RS00805			T>C
NC_014760	185373	MBOVPG45_RS00805			A>G
NC_014760	185377	MBOVPG45_RS00805			G>T
NC_014760	185391	MBOVPG45_RS00805			GA>TG
NC_014760	185839	MBOVPG45_RS04405			T>A
NC_014760	185853	MBOVPG45_RS04405			T>C
NC_014760	185879	MBOVPG45_RS04405			C>G
NC_014760	185887	MBOVPG45_RS04405			C>T
NC_014760	185914	MBOVPG45_RS04405			G>A
NC_014760	186667	MBOVPG45_RS00810			AA>GC
NC_014760	187768	MBOVPG45_RS00815			T>C
NC_014760	187777	MBOVPG45_RS00815			C>A
NC_014760	187833	MBOVPG45_RS00815			T>C
NC_014760	188284	MBOVPG45_RS00815			G>C
NC_014760	188493	MBOVPG45_RS00815			G>A
NC_014760	189057	MBOVPG45_RS00815			G>A
NC_014760	189144	MBOVPG45_RS00815			T>A
NC_014760	189232	MBOVPG45_RS00815			C>T

NC_014760	189991	MBOVPG45_RS00815			C>T
NC_014760	195409	tig			T>C
NC_014760	195949	tig			T>C
NC_014760	196340	tig			A>T
NC_014760	200561	MBOVPG45_RS00865			A>T
NC_014760	201033	MBOVPG45_RS00865			T>A
NC_014760	201195	MBOVPG45_RS00870			C>T
NC_014760	202195	MBOVPG45_RS00870			T>G
NC_014760	202199	MBOVPG45_RS00870			C>T
NC_014760	202367	MBOVPG45_RS00870			C>A
NC_014760	202399	MBOVPG45_RS00870			T>C
NC_014760	202533	MBOVPG45_RS00870			C>T
NC_014760	202750	MBOVPG45_RS00870			G>T
NC_014760	202925	MBOVPG45_RS00870			C>T
NC_014760	203126	MBOVPG45_RS00870			C>T
NC_014760	203140	MBOVPG45_RS00870			C>T
NC_014760	203247	MBOVPG45_RS00870			C>T
NC_014760	203249	MBOVPG45_RS00870			T>C
NC_014760	203387	MBOVPG45_RS00870			C>T
NC_014760	218020	MBOVPG45_RS00935			TC>CT
NC_014760	218129	MBOVPG45_RS00935			C>T
NC_014760	218227	MBOVPG45_RS00935			T>G
NC_014760	222893	MBOVPG45_RS00955			C>T
NC_014760	224139	MBOVPG45_RS00960			G>A
NC_014760	230209	MBOVPG45_RS00975			A>T
NC_014760	231066	MBOVPG45_RS00975			C>T
NC_014760	235507	MBOVPG45_RS01005		A>T	
NC_014760	235934	MBOVPG45_RS01005		T > del 1	
NC_014760	239758	MBOVPG45_RS01020			C>T
NC_014760	241469	MBOVPG45_RS01030			A>G
NC_014760	241882	MBOVPG45_RS01030			- > ins T
NC_014760	242137	MBOVPG45_RS01035			T>A
NC_014760	242155	MBOVPG45_RS01035			TTCTAGTTC > del 9
NC_014760	242169	MBOVPG45_RS01035			C>T
NC_014760	242172	MBOVPG45_RS01035			T>C
NC_014760	242181	MBOVPG45_RS01035			T>C
NC_014760	242183	MBOVPG45_RS01035			A>T
NC_014760	242197	MBOVPG45_RS01035			T>G
NC_014760	242209	MBOVPG45_RS01035			T>A
NC_014760	242630	MBOVPG45_RS01035			G>A
NC_014760	242831	MBOVPG45_RS01040			A>T
NC_014760	242888	MBOVPG45_RS01040			G>A
NC_014760	242916	MBOVPG45_RS01040			G>T
NC_014760	243092	MBOVPG45_RS01040		- > ins T	
NC_014760	243287	MBOVPG45_RS01040			G>A
NC_014760	243294	MBOVPG45_RS01040			T>C

NC_014760	243333	MBOVPG45_RS01040			C>A
NC_014760	248926	MBOVPG45_RS01075			A>T
NC_014760	248930	MBOVPG45_RS01075			C>A
NC_014760	248942	MBOVPG45_RS01075			T>G
NC_014760	248946	MBOVPG45_RS01075			CG>TA
NC_014760	248951	MBOVPG45_RS01075			C>T
NC_014760	248962	MBOVPG45_RS01075			T>A
NC_014760	248988	MBOVPG45_RS01075			C>T
NC_014760	249000	MBOVPG45_RS01075			T>A
NC_014760	249123	MBOVPG45_RS01075			CA>TG
NC_014760	249129	MBOVPG45_RS01075			TAT>ATG
NC_014760	249346	MBOVPG45_RS01075			A>T
NC_014760	249348	MBOVPG45_RS01075			TG>CA
NC_014760	249351	MBOVPG45_RS01075			C>A
NC_014760	249354	MBOVPG45_RS01075			C>A
NC_014760	249367	MBOVPG45_RS01075			- > ins CTG
NC_014760	249434	MBOVPG45_RS01075			C>T
NC_014760	249489	MBOVPG45_RS01075			C>T
NC_014760	249606	MBOVPG45_RS01075			T>C
NC_014760	249610	MBOVPG45_RS01075			T>A
NC_014760	249612	MBOVPG45_RS01075			T>C
NC_014760	249614	MBOVPG45_RS01075			T>C
NC_014760	249637	MBOVPG45_RS01075			T>C
NC_014760	249690	MBOVPG45_RS01075			C>G
NC_014760	249731	MBOVPG45_RS01075			T>G
NC_014760	249827	MBOVPG45_RS01075			T>C
NC_014760	249892	MBOVPG45_RS01075		T > del 1	
NC_014760	249903	MBOVPG45_RS01075			T>A
NC_014760	249927	MBOVPG45_RS01075			T>A
NC_014760	249939	MBOVPG45_RS01075			T>C
NC_014760	249969	MBOVPG45_RS01075			T>G
NC_014760	250004	MBOVPG45_RS01075			C>T
NC_014760	250079	MBOVPG45_RS01075			G>T
NC_014760	250127	MBOVPG45_RS01075		- > ins TT	G>A
NC_014760	252748	MBOVPG45_RS01085			C>T
NC_014760	253208	MBOVPG45_RS01090			A>G
NC_014760	256515	pgk			A>T
NC_014760	256560	pgk			T>C
NC_014760	257653	MBOVPG45_RS01110			C>A
NC_014760	257746	MBOVPG45_RS01110			A>G
NC_014760	264264	MBOVPG45_RS01150			T>C
NC_014760	264564	MBOVPG45_RS01150			C>T
NC_014760	264721	MBOVPG45_RS01150			G>C
NC_014760	264760	MBOVPG45_RS01150			C>T
NC_014760	264794	MBOVPG45_RS01150			T>C
NC_014760	264809	MBOVPG45_RS01150			T>G
NC_014760	265487	MBOVPG45_RS01155			A>G

NC_014760	265755	MBOVPG45_RS01155			C>A
NC_014760	265903	MBOVPG45_RS01155			T>A
NC_014760	265916	MBOVPG45_RS01155			C>G
NC_014760	265924	MBOVPG45_RS01155			G>T
NC_014760	265928	MBOVPG45_RS01155			C>T
NC_014760	266106	MBOVPG45_RS01155			G>A
NC_014760	266116	MBOVPG45_RS01155			A>T
NC_014760	266123	MBOVPG45_RS01155			C>T
NC_014760	266165	MBOVPG45_RS01155			- > ins AAA
NC_014760	266267	MBOVPG45_RS01155			C>T
NC_014760	266484	MBOVPG45_RS01155			G>C
NC_014760	266489	MBOVPG45_RS01155			AA>GT
NC_014760	266500	MBOVPG45_RS01155			T>A
NC_014760	266512	MBOVPG45_RS01155			A>T
NC_014760	266553	MBOVPG45_RS01155			A>G
NC_014760	266609	MBOVPG45_RS01155			T>A
NC_014760	266623	MBOVPG45_RS01155			G>T
NC_014760	266780	MBOVPG45_RS01155			C>T
NC_014760	266782	MBOVPG45_RS01155			A>T
NC_014760	266936	MBOVPG45_RS01155			T>A
NC_014760	266983	MBOVPG45_RS01155			G>T
NC_014760	267082	MBOVPG45_RS01155			TA>AG
NC_014760	267087	MBOVPG45_RS01155			A>G
NC_014760	267144	MBOVPG45_RS01155			A>T
NC_014760	267313	MBOVPG45_RS01155			GT>AC
NC_014760	267362	MBOVPG45_RS01155			T>A
NC_014760	267374	MBOVPG45_RS01155			A>T
NC_014760	267392	MBOVPG45_RS01155			A>G
NC_014760	267529	MBOVPG45_RS01160			AAG>GGA
NC_014760	267553	MBOVPG45_RS01160			G>A
NC_014760	267568	MBOVPG45_RS01160			G>T
NC_014760	267583	MBOVPG45_RS01160			T>A
NC_014760	267602	MBOVPG45_RS01160			T>G
NC_014760	267614	MBOVPG45_RS01160			CAAGTG > del 6
NC_014760	267644	MBOVPG45_RS01160			A>G
NC_014760	267830	MBOVPG45_RS01160			C>G
NC_014760	267858	MBOVPG45_RS01160			A>T
NC_014760	267870	MBOVPG45_RS01160			CAC>TGG
NC_014760	267949	MBOVPG45_RS01160			C>T
NC_014760	268567	MBOVPG45_RS01160			A>G
NC_014760	268616	MBOVPG45_RS01160			T>C
NC_014760	268752	MBOVPG45_RS01160			A>T
NC_014760	268814	MBOVPG45_RS01160			C>A
NC_014760	268822	MBOVPG45_RS01160			A>G
NC_014760	269127	MBOVPG45_RS01160			A>T
NC_014760	269149	MBOVPG45_RS01160			G>A
NC_014760	269155	MBOVPG45_RS01160			C>T

NC_014760	269285	MBOVPG45_RS01160			C>T
NC_014760	269288	MBOVPG45_RS01160			T>A
NC_014760	269296	MBOVPG45_RS01160			G>A
NC_014760	269347	MBOVPG45_RS01160			A>G
NC_014760	269387	MBOVPG45_RS01160			T>C
NC_014760	269411	MBOVPG45_RS01160			C>T
NC_014760	269648	MBOVPG45_RS01165			A>G
NC_014760	269683	MBOVPG45_RS01165			G>A
NC_014760	269727	MBOVPG45_RS01165			A>G
NC_014760	269839	MBOVPG45_RS01165			G>A
NC_014760	271059	MBOVPG45_RS01175			C>T
NC_014760	271071	MBOVPG45_RS01175			T>C
NC_014760	271128	MBOVPG45_RS01175			A>G
NC_014760	271130	MBOVPG45_RS01175			AC>GT
NC_014760	271134	MBOVPG45_RS01175			CC>TT
NC_014760	271212	MBOVPG45_RS01175			C>T
NC_014760	271217	MBOVPG45_RS01175			C>T
NC_014760	271286	MBOVPG45_RS01175			T>C
NC_014760	271296	MBOVPG45_RS01175			T>A
NC_014760	271299	MBOVPG45_RS01175			T>C
NC_014760	271302	MBOVPG45_RS01175			C>T
NC_014760	271328	MBOVPG45_RS01175			C>T
NC_014760	271341	MBOVPG45_RS01175			A>C
NC_014760	271353	MBOVPG45_RS01175			G>A
NC_014760	271359	MBOVPG45_RS01175			T>C
NC_014760	271367	MBOVPG45_RS01175			TT>AC
NC_014760	271428	MBOVPG45_RS01175			G>C
NC_014760	271430	MBOVPG45_RS01175			AC>GT
NC_014760	271481	MBOVPG45_RS01175			C>T
NC_014760	271504	MBOVPG45_RS01175			- > ins A
NC_014760	271513	MBOVPG45_RS01175			A>C
NC_014760	273077	MBOVPG45_RS01185			A>T
NC_014760	273150	MBOVPG45_RS01185			G>A
NC_014760	273189	MBOVPG45_RS01185			- > ins A
NC_014760	273560	MBOVPG45_RS01185			A>G
NC_014760	273673	MBOVPG45_RS01185			T>A
NC_014760	273698	MBOVPG45_RS01185			G>A
NC_014760	273974	MBOVPG45_RS01185			G>A
NC_014760	274146	MBOVPG45_RS01185			T>C
NC_014760	274167	MBOVPG45_RS01185			A>G
NC_014760	274254	MBOVPG45_RS01185			G>A
NC_014760	274257	MBOVPG45_RS01185			A>G
NC_014760	274264	MBOVPG45_RS01185			A>T
NC_014760	274268	MBOVPG45_RS01185			G>A
NC_014760	274273	MBOVPG45_RS01185			CA>TT
NC_014760	274286	MBOVPG45_RS01185			G>A
NC_014760	274325	MBOVPG45_RS01185			A>T

NC_014760	274468	MBOVPG45_RS01185			A>T
NC_014760	274497	MBOVPG45_RS01185			G>A
NC_014760	274644	MBOVPG45_RS01185			A>T
NC_014760	274700	MBOVPG45_RS01185			G>A
NC_014760	274776	MBOVPG45_RS01185			C>T
NC_014760	274853	MBOVPG45_RS01185			CAA>TCT
NC_014760	274908	MBOVPG45_RS01185			A>C
NC_014760	275207	MBOVPG45_RS01185			T>C
NC_014760	275216	MBOVPG45_RS01185			A>G
NC_014760	275280	MBOVPG45_RS01185			A>G
NC_014760	275322	MBOVPG45_RS01185			A>C
NC_014760	275327	MBOVPG45_RS01185			A>G
NC_014760	275391	MBOVPG45_RS01185			C>T
NC_014760	275486	MBOVPG45_RS01185			AG>GA
NC_014760	275504	MBOVPG45_RS01185			A>G
NC_014760	275538	MBOVPG45_RS01185			A>G
NC_014760	275567	MBOVPG45_RS01185			A>G
NC_014760	275617	MBOVPG45_RS04625			A>G
NC_014760	275643	MBOVPG45_RS04625		G>A	
NC_014760	275691	MBOVPG45_RS04625			G>A
NC_014760	275940	MBOVPG45_RS04625			G>T
NC_014760	276019	MBOVPG45_RS04625			C>T
NC_014760	276189	MBOVPG45_RS04625			A>G
NC_014760	276761	MBOVPG45_RS01195			G>C
NC_014760	276765	MBOVPG45_RS01195			T>A
NC_014760	276769	MBOVPG45_RS01195			C>A
NC_014760	276810	MBOVPG45_RS01195			TT>GC
NC_014760	276890	MBOVPG45_RS01195			G>A
NC_014760	276924	MBOVPG45_RS01195			T>A
NC_014760	277137	MBOVPG45_RS01195			C>T
NC_014760	277470	MBOVPG45_RS01195			A>G
NC_014760	277571	MBOVPG45_RS01195			A>G
NC_014760	277633	MBOVPG45_RS01195			A>T
NC_014760	278565	MBOVPG45_RS01195			A>G
NC_014760	279751	MBOVPG45_RS01195			A > del 1
NC_014760	280080	MBOVPG45_RS01200			T>C
NC_014760	281463	MBOVPG45_RS01205			C>T
NC_014760	281610	MBOVPG45_RS01205			G>A
NC_014760	281632	MBOVPG45_RS01205			GG>CA
NC_014760	281786	MBOVPG45_RS01205			T>C
NC_014760	281897	MBOVPG45_RS01205			A>C
NC_014760	282020	MBOVPG45_RS01205			C>T
NC_014760	282122	MBOVPG45_RS01205			G>A
NC_014760	282460	MBOVPG45_RS01210			G>A
NC_014760	282463	MBOVPG45_RS01210			G>C
NC_014760	283862	MBOVPG45_RS01215			T>C
NC_014760	284090	MBOVPG45_RS01215			A>G

NC_014760	284185	MBOVPG45_RS01215			A>T
NC_014760	284324	MBOVPG45_RS01215			A>G
NC_014760	284693	MBOVPG45_RS01215			C>T
NC_014760	285240	MBOVPG45_RS01215			C>T
NC_014760	285764	MBOVPG45_RS01215			C>T
NC_014760	286046	MBOVPG45_RS01215			T>C
NC_014760	286089	MBOVPG45_RS01215			C>T
NC_014760	286167	MBOVPG45_RS01215			A>C
NC_014760	286175	MBOVPG45_RS01215			A>C
NC_014760	286340	MBOVPG45_RS01215			C>T
NC_014760	286434	MBOVPG45_RS01215			A>T
NC_014760	286439	MBOVPG45_RS01215			C>T
NC_014760	287082	MBOVPG45_RS01215			G>A
NC_014760	287154	MBOVPG45_RS01215			T>C
NC_014760	287203	MBOVPG45_RS01215			GA>AG
NC_014760	287221	MBOVPG45_RS01215			C>A
NC_014760	287282	MBOVPG45_RS01215			T>C
NC_014760	287454	MBOVPG45_RS01215			C>T
NC_014760	287766	MBOVPG45_RS01215			T>C
NC_014760	288107	MBOVPG45_RS01215			T>C
NC_014760	288159	MBOVPG45_RS01215			T>G
NC_014760	288176	MBOVPG45_RS01215			T>C
NC_014760	288194	MBOVPG45_RS01215			C>T
NC_014760	288398	MBOVPG45_RS01215			T>C
NC_014760	289078	gyrA			A>G
NC_014760	289477	gyrA			C>T
NC_014760	290091	gyrA			G>A
NC_014760	290265	gyrA			A>G
NC_014760	290293	gyrA			AG>GA
NC_014760	290460	gyrA			G>A
NC_014760	290552	gyrA			A>T
NC_014760	290620	gyrA			C>T
NC_014760	291937	MBOVPG45_RS01225			A>T
NC_014760	292121	MBOVPG45_RS01225			G>C
NC_014760	292503	MBOVPG45_RS01225			A>G
NC_014760	292515	MBOVPG45_RS01225			C>A
NC_014760	293006	MBOVPG45_RS01225			A>T
NC_014760	293078	MBOVPG45_RS01225			C>A
NC_014760	293219	MBOVPG45_RS01225			G>A
NC_014760	293726	rpsD			G>A
NC_014760	294141	rpsD			T>C
NC_014760	294448	rpmE			A>G
NC_014760	294901	hrcA			C>T
NC_014760	295867	grpE			G>C
NC_014760	295952	grpE			C>T
NC_014760	295974	grpE			T>A
NC_014760	296555	grpE			T>C

NC_014760	298696	MBOVPG45_RS01270	rRNA pseudouridine synthase (16S)		C>T
NC_014760	299077	MBOVPG45_RS01270	rRNA pseudouridine synthase (16S)		G>A
NC_014760	299555	MBOVPG45_RS01275			G>A
NC_014760	299714	MBOVPG45_RS01275			C>T
NC_014760	300028	MBOVPG45_RS01275			A>T
NC_014760	300225	MBOVPG45_RS01275			G>A
NC_014760	300470	MBOVPG45_RS01275			C>G
NC_014760	300473	MBOVPG45_RS01275			A>G
NC_014760	302153	recA			TA>CG
NC_014760	302392	recA			T>C
NC_014760	303010	recU			T>A
NC_014760	304123	rpsJ		C>T	
NC_014760	305116	rplC			C>T
NC_014760	305204	rplD			T>A
NC_014760	305279	rplD			A>G
NC_014760	305303	rplD			G>A
NC_014760	305358	rplD			T>C
NC_014760	305360	rplD			G>A
NC_014760	305376	rplD			A>C
NC_014760	305408	rplD			G>A
NC_014760	305453	rplD			G>A
NC_014760	305460	rplD			- > ins AGCTAAAGA
NC_014760	305704	rplD			AG>GA
NC_014760	306754	rplB			C>A
NC_014760	307518	rpsS			T>C
NC_014760	308038	rplV			A>T
NC_014760	308343	rpsC			TA>CG
NC_014760	308344	rpsC		A>G	
NC_014760	308498	rpsC		G>A	
NC_014760	310225	MBOVPG45_RS01360			A>G
NC_014760	311251	rpsH			A>G
NC_014760	312554	rpsE			G>A
NC_014760	313031	rpsE			C>T
NC_014760	313084	rpsE		C>A	
NC_014760	313704	MBOVPG45_RS01400			A>T
NC_014760	313732	MBOVPG45_RS01400			A>G
NC_014760	313826	MBOVPG45_RS01400			C>A
NC_014760	313860	MBOVPG45_RS01400			A>G
NC_014760	313862	MBOVPG45_RS01400			T>A
NC_014760	313937	MBOVPG45_RS01400			T>A
NC_014760	314031	MBOVPG45_RS01400			A>G
NC_014760	314040	MBOVPG45_RS01400			G > del 1

NC_014760	314346	MBOVPG45_RS01400			AC>GT
NC_014760	314538	MBOVPG45_RS01400			T > del 1
NC_014760	314552	MBOVPG45_RS01400			TGAAAATAATA > del 11
NC_014760	314670	MBOVPG45_RS01400			A>G
NC_014760	314743	MBOVPG45_RS01400			TA>CT
NC_014760	314969	MBOVPG45_RS01405			T>C
NC_014760	315035	MBOVPG45_RS01405			T>C
NC_014760	315073	MBOVPG45_RS01405			T>A
NC_014760	315435	MBOVPG45_RS01405			G>A
NC_014760	315484	MBOVPG45_RS01405			C>G
NC_014760	315494	MBOVPG45_RS01405			T>C
NC_014760	315760	MBOVPG45_RS01405			C>T
NC_014760	333960	MBOVPG45_RS01485			A>T
NC_014760	334353	MBOVPG45_RS01485			A>G
NC_014760	334428	MBOVPG45_RS01490			T>C
NC_014760	334526	MBOVPG45_RS01490			TT>CC
NC_014760	334561	MBOVPG45_RS01490			T>A
NC_014760	334564	MBOVPG45_RS01490			C>T
NC_014760	334577	MBOVPG45_RS01490			G>C
NC_014760	334660	MBOVPG45_RS01490			C>T
NC_014760	334669	MBOVPG45_RS01490			G>C
NC_014760	334702	MBOVPG45_RS01490			T>C
NC_014760	334761	MBOVPG45_RS01490			C>T
NC_014760	334843	MBOVPG45_RS01490			T>C
NC_014760	334882	MBOVPG45_RS01490			C>T
NC_014760	335077	MBOVPG45_RS01490			C>T
NC_014760	335091	MBOVPG45_RS01490			T>G
NC_014760	335141	MBOVPG45_RS01490			A>T
NC_014760	335180	MBOVPG45_RS01490			T>C
NC_014760	335239	MBOVPG45_RS01490			C>T
NC_014760	335389	MBOVPG45_RS01490			T>C
NC_014760	335446	MBOVPG45_RS01490			T>G
NC_014760	335706	tpiA			C>T
NC_014760	336212	tpiA			T>A
NC_014760	336442	deoC			T>C
NC_014760	336667	deoC			C>T
NC_014760	336727	deoC			C>T
NC_014760	336853	deoC			A>T
NC_014760	337141	MBOVPG45_RS01505			CC>TT
NC_014760	337535	MBOVPG45_RS01505			C>A
NC_014760	338666	deoD			C>T
NC_014760	338748	deoD			T>A
NC_014760	338938	deoD			T>C
NC_014760	339998	MBOVPG45_RS01515			C>A
NC_014760	340222	MBOVPG45_RS01515			A>T
NC_014760	341084	obgE			G>A

NC_014760	341199	obgE			T>A
NC_014760	341776	MBOVPG45_RS01525			T>C
NC_014760	341780	MBOVPG45_RS01525			C>A
NC_014760	341787	MBOVPG45_RS01525			T>G
NC_014760	341790	MBOVPG45_RS01525			T>G
NC_014760	341812	MBOVPG45_RS01525			T>C
NC_014760	341832	MBOVPG45_RS01525			C>T
NC_014760	341839	MBOVPG45_RS01525			C>T
NC_014760	341869	MBOVPG45_RS01525			T>C
NC_014760	343030	MBOVPG45_RS01525			A>G
NC_014760	345146	MBOVPG45_RS01540			A>G
NC_014760	345580	MBOVPG45_RS01545			C>T
NC_014760	345591	MBOVPG45_RS01545			T>A
NC_014760	345634	MBOVPG45_RS01545			A>G
NC_014760	345777	MBOVPG45_RS01545			T>G
NC_014760	347859	MBOVPG45_RS01550			C>T
NC_014760	348078	MBOVPG45_RS01550			C>T
NC_014760	348474	MBOVPG45_RS01550			C>T
NC_014760	348617	MBOVPG45_RS01550			T>C
NC_014760	348750	MBOVPG45_RS01550			G>T
NC_014760	348758	MBOVPG45_RS01550			T>C
NC_014760	349035	MBOVPG45_RS01555			G>T
NC_014760	349063	MBOVPG45_RS01555			G>T
NC_014760	349169	MBOVPG45_RS01555			C>T
NC_014760	349178	MBOVPG45_RS01555			C>T
NC_014760	349292	MBOVPG45_RS01555			T>C
NC_014760	349339	MBOVPG45_RS01555			TG>GA
NC_014760	349399	MBOVPG45_RS01555			T>G
NC_014760	349419	MBOVPG45_RS01555			A>C
NC_014760	349421	MBOVPG45_RS01555			T>C
NC_014760	349516	MBOVPG45_RS01555			C>T
NC_014760	349522	MBOVPG45_RS01555			G>A
NC_014760	349526	MBOVPG45_RS01555			C>T
NC_014760	349541	MBOVPG45_RS01555			C>G
NC_014760	349572	MBOVPG45_RS01555			G>T
NC_014760	349625	MBOVPG45_RS01555			A>C
NC_014760	349705	MBOVPG45_RS01555			A>G
NC_014760	349757	MBOVPG45_RS01555			G>A
NC_014760	349781	MBOVPG45_RS01555		T>C	
NC_014760	349785	MBOVPG45_RS01555			- > ins TTA
NC_014760	349829	MBOVPG45_RS01555			C>T
NC_014760	349863	MBOVPG45_RS01555			T>A
NC_014760	349865	MBOVPG45_RS01555			T>C
NC_014760	349871	MBOVPG45_RS01555			GA>AG
NC_014760	349962	MBOVPG45_RS01555			T>A
NC_014760	349984	MBOVPG45_RS01555			AT>GC
NC_014760	349992	MBOVPG45_RS01555			G>T

NC_014760	350199	MBOVPG45_RS01555			CT>TG
NC_014760	350256	MBOVPG45_RS01555			C>A
NC_014760	350432	MBOVPG45_RS01555			C>T
NC_014760	350435	MBOVPG45_RS01555			T>C
NC_014760	350564	MBOVPG45_RS01555			G>T
NC_014760	351154	MBOVPG45_RS01560			T>C
NC_014760	351197	MBOVPG45_RS01560			T>C
NC_014760	351279	MBOVPG45_RS01560			A>T
NC_014760	351910	MBOVPG45_RS01560			A>T
NC_014760	352136	MBOVPG45_RS01560			C>T
NC_014760	352974	MBOVPG45_RS01565			A>C
NC_014760	353206	MBOVPG45_RS01565			A>G
NC_014760	353654	MBOVPG45_RS01570			TT>GA
NC_014760	353787	MBOVPG45_RS01570			T>C
NC_014760	354028	MBOVPG45_RS01570			A>T
NC_014760	354038	MBOVPG45_RS01570			T>C
NC_014760	354232	MBOVPG45_RS01570			T>G
NC_014760	354270	MBOVPG45_RS01570			C>G
NC_014760	356763	MBOVPG45_RS01580			A>G
NC_014760	357311	MBOVPG45_RS01585			A>G
NC_014760	357983	MBOVPG45_RS01585			C>T
NC_014760	358227	MBOVPG45_RS01590			T>C
NC_014760	358379	MBOVPG45_RS01590			T>C
NC_014760	358613	MBOVPG45_RS01590			G>T
NC_014760	358731	MBOVPG45_RS01590		A>G	
NC_014760	358749	MBOVPG45_RS01590			T>A
NC_014760	359126	MBOVPG45_RS01595			A>G
NC_014760	361083	MBOVPG45_RS01600			C>A
NC_014760	361279	MBOVPG45_RS01600			A>G
NC_014760	361294	MBOVPG45_RS01600			- > ins TAT
NC_014760	361298	MBOVPG45_RS01600			T>C
NC_014760	361391	MBOVPG45_RS01600			C>T
NC_014760	361394	MBOVPG45_RS01600			TG>CA
NC_014760	361399	MBOVPG45_RS01600			C>T
NC_014760	361431	MBOVPG45_RS01600			T>C
NC_014760	361591	MBOVPG45_RS01600			T>A
NC_014760	361594	MBOVPG45_RS01600			T>C
NC_014760	361600	MBOVPG45_RS01600			T>A
NC_014760	361877	MBOVPG45_RS01600			- > ins TTCACT
NC_014760	362024	MBOVPG45_RS01600			C>T
NC_014760	362026	MBOVPG45_RS01600			C>T
NC_014760	362101	MBOVPG45_RS01600			T>C
NC_014760	362107	MBOVPG45_RS01600			CT>TC
NC_014760	362123	MBOVPG45_RS01600			C>T
NC_014760	362149	MBOVPG45_RS01600			T>C
NC_014760	362159	MBOVPG45_RS01600			A>T
NC_014760	362243	MBOVPG45_RS01600			A>T

NC_014760	362246	MBOVPG45_RS01600			C>T
NC_014760	362262	MBOVPG45_RS01600			T>G
NC_014760	362457	MBOVPG45_RS01600			A>T
NC_014760	362785	MBOVPG45_RS01600			T>A
NC_014760	362788	MBOVPG45_RS01600			GA>TT
NC_014760	362798	MBOVPG45_RS01600			T>C
NC_014760	362875	MBOVPG45_RS01600			G>T
NC_014760	362981	MBOVPG45_RS01600			C>T
NC_014760	363231	MBOVPG45_RS01605			T>A
NC_014760	363262	MBOVPG45_RS01605			C>T
NC_014760	363424	MBOVPG45_RS01605			C>T
NC_014760	363477	MBOVPG45_RS01605			G>A
NC_014760	363482	MBOVPG45_RS01605			T>A
NC_014760	364058	MBOVPG45_RS01610			A>T
NC_014760	364134	MBOVPG45_RS01610			C>T
NC_014760	364679	MBOVPG45_RS01610			C>T
NC_014760	365021	MBOVPG45_RS01610			C>T
NC_014760	365106	MBOVPG45_RS01610			G>T
NC_014760	365190	MBOVPG45_RS01610			T>C
NC_014760	365312	MBOVPG45_RS01615			T>C
NC_014760	365314	MBOVPG45_RS01615			T>C
NC_014760	365416	MBOVPG45_RS01615			T>C
NC_014760	365529	MBOVPG45_RS01615			G>A
NC_014760	365644	MBOVPG45_RS01615			TT>CA
NC_014760	365670	MBOVPG45_RS01615			T>C
NC_014760	365944	MBOVPG45_RS01615			T>C
NC_014760	366042	MBOVPG45_RS01615			T>C
NC_014760	369370	MBOVPG45_RS01630			C>T
NC_014760	369380	MBOVPG45_RS01630			A>T
NC_014760	369441	MBOVPG45_RS01630			G>A
NC_014760	370053	MBOVPG45_RS01635			AT>TG
NC_014760	370073	MBOVPG45_RS01635			GCA>AGC
NC_014760	370107	MBOVPG45_RS01635			T>A
NC_014760	370779	MBOVPG45_RS01635			T>C
NC_014760	371209	MBOVPG45_RS01640			G>C
NC_014760	371242	MBOVPG45_RS01640			T>A
NC_014760	371577	MBOVPG45_RS01640			T>C
NC_014760	371649	MBOVPG45_RS01640			G>C
NC_014760	372376	MBOVPG45_RS01640			G>A
NC_014760	373493	MBOVPG45_RS01645			C>G
NC_014760	373586	MBOVPG45_RS01645			T>C
NC_014760	373874	MBOVPG45_RS01645			T>C
NC_014760	373922	MBOVPG45_RS01645			G>A
NC_014760	374153	MBOVPG45_RS01645			C>A
NC_014760	374177	MBOVPG45_RS01645			G>A
NC_014760	374281	MBOVPG45_RS01645			C>T
NC_014760	374344	MBOVPG45_RS01650			T>C

NC_014760	374387	MBOVPG45_RS01650			T>C
NC_014760	374469	MBOVPG45_RS01650			A>T
NC_014760	375084	MBOVPG45_RS01650			C>A
NC_014760	375100	MBOVPG45_RS01650			A>T
NC_014760	375326	MBOVPG45_RS01650			C>T
NC_014760	376115	MBOVPG45_RS01655			C>T
NC_014760	376551	MBOVPG45_RS01655			C>T
NC_014760	376633	MBOVPG45_RS01655			C>T
NC_014760	376680	MBOVPG45_RS01655			T>C
NC_014760	376692	MBOVPG45_RS01655			AT>GC
NC_014760	377305	MBOVPG45_RS01660			C>T
NC_014760	377784	MBOVPG45_RS01665			T>C
NC_014760	377815	MBOVPG45_RS01665			T>C
NC_014760	377817	MBOVPG45_RS01665			T>C
NC_014760	377825	MBOVPG45_RS01665			G>A
NC_014760	377963	MBOVPG45_RS01665			G>T
NC_014760	377967	MBOVPG45_RS01665			T>C
NC_014760	377979	MBOVPG45_RS01665			T>C
NC_014760	378171	MBOVPG45_RS01665			C>T
NC_014760	378220	MBOVPG45_RS01665			C>G
NC_014760	378314	MBOVPG45_RS01665			T>C
NC_014760	378595	MBOVPG45_RS01665			A>T
NC_014760	378597	MBOVPG45_RS01665			C>G
NC_014760	378604	MBOVPG45_RS01665			C>A
NC_014760	378644	MBOVPG45_RS01665			A>G
NC_014760	378750	MBOVPG45_RS01665			C>T
NC_014760	378791	MBOVPG45_RS01665			C>G
NC_014760	378807	MBOVPG45_RS01665			G>T
NC_014760	379068	MBOVPG45_RS01665			T>C
NC_014760	380382	lepA			C>T
NC_014760	380385	lepA			C>G
NC_014760	380396	lepA			G>T
NC_014760	380514	lepA			G>A
NC_014760	381462	MBOVPG45_RS01675			C>A
NC_014760	381595	MBOVPG45_RS01675			G>A
NC_014760	392689	MBOVPG45_RS01720			G>A
NC_014760	397770	MBOVPG45_RS01750			G>A
NC_014760	397791	MBOVPG45_RS01750			C>G
NC_014760	397884	MBOVPG45_RS01750			G>T
NC_014760	398022	MBOVPG45_RS01750			CA>TG
NC_014760	398025	MBOVPG45_RS01750			T>A
NC_014760	398036	MBOVPG45_RS01750			C>A
NC_014760	398393	MBOVPG45_RS01755			TG>CT
NC_014760	398400	MBOVPG45_RS01755			C>T
NC_014760	398404	MBOVPG45_RS01755			A>T
NC_014760	398406	MBOVPG45_RS01755			G>C
NC_014760	398409	MBOVPG45_RS01755			G>A

NC_014760	398412	MBOVPG45_RS01755			C>T
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NC_014760	398489	MBOVPG45_RS01755			A>T
NC_014760	398533	MBOVPG45_RS01755			T>A
NC_014760	398538	MBOVPG45_RS01755			C>T
NC_014760	398623	MBOVPG45_RS01755			GG>AC
NC_014760	398713	MBOVPG45_RS01755			A>C
NC_014760	398726	MBOVPG45_RS01755			C>T
NC_014760	398744	MBOVPG45_RS01755			T>C
NC_014760	398769	MBOVPG45_RS01755			C>T
NC_014760	398831	MBOVPG45_RS01755			T>A
NC_014760	398835	MBOVPG45_RS01755			C>T
NC_014760	398850	MBOVPG45_RS01755			T>C
NC_014760	398855	MBOVPG45_RS01755			T>C
NC_014760	398861	MBOVPG45_RS01755			T>A
NC_014760	398865	MBOVPG45_RS01755			C>T
NC_014760	398876	MBOVPG45_RS01755			G>C
NC_014760	398886	MBOVPG45_RS01755			T>C
NC_014760	399083	MBOVPG45_RS01755			G>A
NC_014760	399090	MBOVPG45_RS01755			C>T
NC_014760	399131	MBOVPG45_RS01755			A>G
NC_014760	399162	MBOVPG45_RS01755			C>T
NC_014760	399190	MBOVPG45_RS01760			T>C
NC_014760	399195	MBOVPG45_RS01760			C>T
NC_014760	399237	MBOVPG45_RS01760			C>T
NC_014760	399241	MBOVPG45_RS01760			CA>TG
NC_014760	399253	MBOVPG45_RS01760			T>C
NC_014760	399264	MBOVPG45_RS01760			A>T
NC_014760	399343	MBOVPG45_RS01760			T>G
NC_014760	399379	MBOVPG45_RS01760			T>C
NC_014760	399388	MBOVPG45_RS01760			C>T
NC_014760	399392	MBOVPG45_RS01760			G>T
NC_014760	399394	MBOVPG45_RS01760			C>G
NC_014760	399549	MBOVPG45_RS01760			C>G
NC_014760	399585	MBOVPG45_RS01760			T>C
NC_014760	399591	MBOVPG45_RS01760			TT>GG
NC_014760	399688	MBOVPG45_RS01760			C>T
NC_014760	399695	MBOVPG45_RS01760			T>G
NC_014760	399705	MBOVPG45_RS01760			A>T
NC_014760	399717	MBOVPG45_RS01760			T>C
NC_014760	399726	MBOVPG45_RS01760			G>A
NC_014760	399735	MBOVPG45_RS01760			TC>CT
NC_014760	399743	MBOVPG45_RS01760			C>A
NC_014760	399808	MBOVPG45_RS01760			T>C
NC_014760	400121	MBOVPG45_RS01765			C>T
NC_014760	400128	MBOVPG45_RS01765			A>T
NC_014760	400138	MBOVPG45_RS01765			T>A

NC_014760	400142	MBOVPG45_RS01765			G>C
NC_014760	400154	MBOVPG45_RS01765			GTG>AAT
NC_014760	400169	MBOVPG45_RS01765			C>T
NC_014760	400208	MBOVPG45_RS01765			C>T
NC_014760	400223	MBOVPG45_RS01765			GA>AG
NC_014760	400349	MBOVPG45_RS01765			TT>CA
NC_014760	400370	MBOVPG45_RS01765			C>T
NC_014760	400405	MBOVPG45_RS01765			T>C
NC_014760	400484	MBOVPG45_RS01765			T>C
NC_014760	400577	MBOVPG45_RS01765			C>T
NC_014760	400580	MBOVPG45_RS01765			G>A
NC_014760	400585	MBOVPG45_RS01765			T>A
NC_014760	400598	MBOVPG45_RS01765			C>T
NC_014760	400631	MBOVPG45_RS01765			T>A
NC_014760	400634	MBOVPG45_RS01765			CT>TG
NC_014760	400637	MBOVPG45_RS01765			T>C
NC_014760	400724	MBOVPG45_RS01765			G>T
NC_014760	400751	MBOVPG45_RS01765			T>A
NC_014760	400762	MBOVPG45_RS01765			AA>CG
NC_014760	400797	MBOVPG45_RS01765			G>T
NC_014760	400826	MBOVPG45_RS01765		C>T	
NC_014760	400853	MBOVPG45_RS01765			C>T
NC_014760	400873	MBOVPG45_RS01765			G>C
NC_014760	400876	MBOVPG45_RS01765			TG>GA
NC_014760	400885	MBOVPG45_RS01765			- > ins GATTTC
NC_014760	400891	MBOVPG45_RS01765			TTATTTA > del 7
NC_014760	400903	MBOVPG45_RS01765			C>T
NC_014760	400961	MBOVPG45_RS01765			T>C
NC_014760	401042	MBOVPG45_RS01765			T>C
NC_014760	401047	MBOVPG45_RS01765			T>A
NC_014760	401050	MBOVPG45_RS01765			T>G
NC_014760	401159	MBOVPG45_RS01765			C>T
NC_014760	401183	MBOVPG45_RS01770, MBOVPG45_RS01765			C>T
NC_014760	401939	MBOVPG45_RS01775			T>C
NC_014760	402085	MBOVPG45_RS01775			C>T
NC_014760	402098	MBOVPG45_RS01775			C>T
NC_014760	402427	MBOVPG45_RS01775			C>T
NC_014760	402430	MBOVPG45_RS01775		C>T	
NC_014760	402621	MBOVPG45_RS01775			T>G
NC_014760	403360	MBOVPG45_RS01775			C>T
NC_014760	403646	MBOVPG45_RS01775			T>C
NC_014760	404108	MBOVPG45_RS01780			G>T
NC_014760	404123	MBOVPG45_RS01780			G>C
NC_014760	404249	MBOVPG45_RS01780			C>T
NC_014760	404262	MBOVPG45_RS01780			GT>AC
NC_014760	404385	MBOVPG45_RS01780			GG>AC

NC_014760	404507	MBOVPG45_RS01780			C>T
NC_014760	404565	MBOVPG45_RS01780			T>C
NC_014760	404801	MBOVPG45_RS01780			C>T
NC_014760	404938	MBOVPG45_RS01780			C>T
NC_014760	405317	MBOVPG45_RS01780			C>T
NC_014760	405341	MBOVPG45_RS01780			T>C
NC_014760	405383	MBOVPG45_RS01780			CGC>TAT
NC_014760	405618	MBOVPG45_RS01780			T>G
NC_014760	406387	MBOVPG45_RS01780			T>C
NC_014760	406559	MBOVPG45_RS01780			T>C
NC_014760	410113	MBOVPG45_RS01815			AA>GC
NC_014760	411488	MBOVPG45_RS01820			T>C
NC_014760	411500	MBOVPG45_RS01820			T>C
NC_014760	411717	MBOVPG45_RS01820			TGCA>CATG
NC_014760	411730	MBOVPG45_RS01820			G>A
NC_014760	412080	MBOVPG45_RS01820			T>C
NC_014760	412228	MBOVPG45_RS01820			GC>CT
NC_014760	412250	MBOVPG45_RS01820			A>C
NC_014760	414758	MBOVPG45_RS01835			C>T
NC_014760	414862	MBOVPG45_RS01835			A>G
NC_014760	414883	MBOVPG45_RS01835			A>C
NC_014760	414988	MBOVPG45_RS01835			G>A
NC_014760	415004	MBOVPG45_RS01835			A>T
NC_014760	415006	MBOVPG45_RS01835			C>T
NC_014760	415076	MBOVPG45_RS01835			T>A
NC_014760	415078	MBOVPG45_RS01835			GC>AT
NC_014760	415099	MBOVPG45_RS01835			G>A
NC_014760	415197	MBOVPG45_RS01835			A>T
NC_014760	415200	MBOVPG45_RS01835			T>A
NC_014760	415241	MBOVPG45_RS01835			G>A
NC_014760	415247	MBOVPG45_RS01835			AA>GT
NC_014760	415346	MBOVPG45_RS01835			A>G
NC_014760	415349	MBOVPG45_RS01835			A>G
NC_014760	415464	MBOVPG45_RS01835			A>T
NC_014760	415468	MBOVPG45_RS01835			A>G
NC_014760	415478	MBOVPG45_RS01835			C>G
NC_014760	415486	MBOVPG45_RS01835			AC>CA
NC_014760	415490	MBOVPG45_RS01835			G>C
NC_014760	415506	MBOVPG45_RS01835			CC>AG
NC_014760	415509	MBOVPG45_RS01835			C>A
NC_014760	415519	MBOVPG45_RS01835			A>C
NC_014760	415532	MBOVPG45_RS01835			TG>CA
NC_014760	416161	whiA			C>T
NC_014760	416257	whiA			C>T
NC_014760	416834	whiA			GC>AT
NC_014760	417290	MBOVPG45_RS01845			C>T
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NC_014760	417550	MBOVPG45_RS01845			G>T
NC_014760	417836	MBOVPG45_RS01845			T>C
NC_014760	418892	MBOVPG45_RS01850			C>T
NC_014760	419355	MBOVPG45_RS01850			T>C
NC_014760	419406	MBOVPG45_RS01850			T>C
NC_014760	419734	ligA			G>C
NC_014760	420001	ligA			G>A
NC_014760	424904	MBOVPG45_RS01865			GC>AA
NC_014760	424907	MBOVPG45_RS01865			C>T
NC_014760	425072	MBOVPG45_RS01865			G>A
NC_014760	425081	MBOVPG45_RS01865			A>G
NC_014760	425095	MBOVPG45_RS01865			T>G
NC_014760	425104	MBOVPG45_RS01865			A>T
NC_014760	425110	MBOVPG45_RS01865			TA>AC
NC_014760	425117	MBOVPG45_RS01865			C>G
NC_014760	425126	MBOVPG45_RS01865			C>A
NC_014760	425173	MBOVPG45_RS01865			CA>TC
NC_014760	425176	MBOVPG45_RS01865			C>G
NC_014760	425183	MBOVPG45_RS01865			A>C
NC_014760	425192	MBOVPG45_RS01865			C>G
NC_014760	425281	MBOVPG45_RS01865			A>T
NC_014760	425300	MBOVPG45_RS01865			G>C
NC_014760	425309	MBOVPG45_RS01865			G>A
NC_014760	425438	MBOVPG45_RS01865			A>G
NC_014760	425441	MBOVPG45_RS01865			GGT>AAA
NC_014760	425500	MBOVPG45_RS01865			CA>TG
NC_014760	425543	MBOVPG45_RS01865			G>A
NC_014760	425797	MBOVPG45_RS01865			A>G
NC_014760	425809	MBOVPG45_RS01865			A>T
NC_014760	425814	MBOVPG45_RS01865			A>T
NC_014760	425829	MBOVPG45_RS01865			T>C
NC_014760	425835	MBOVPG45_RS01865			A>T
NC_014760	425859	MBOVPG45_RS01865			T>C
NC_014760	425914	MBOVPG45_RS01865			A>T
NC_014760	426032	MBOVPG45_RS01865			G>T
NC_014760	426146	MBOVPG45_RS01865			A>G
NC_014760	426284	MBOVPG45_RS01865			G>A
NC_014760	426289	MBOVPG45_RS01865			A>C
NC_014760	426542	MBOVPG45_RS01865			T>C
NC_014760	426653	MBOVPG45_RS01865			TC>CA
NC_014760	426693	MBOVPG45_RS01865			C>A
NC_014760	426836	MBOVPG45_RS01870			G>A
NC_014760	427161	MBOVPG45_RS01870			G>A
NC_014760	427188	MBOVPG45_RS01870			C>T
NC_014760	427222	MBOVPG45_RS01870			C>G
NC_014760	427307	MBOVPG45_RS01870			G>C
NC_014760	427341	MBOVPG45_RS01870			C>T

NC_014760	428749	MBOVPG45_RS01870		G>A	
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NC_014760	433117	MBOVPG45_RS01880			G>A
NC_014760	434748	MBOVPG45_RS01885			A>T
NC_014760	437928	MBOVPG45_RS01905			G>A
NC_014760	438288	MBOVPG45_RS01905			A>C
NC_014760	439044	MBOVPG45_RS01905			A>G
NC_014760	443328	MBOVPG45_RS01920			G>T
NC_014760	443538	MBOVPG45_RS01920			G>T
NC_014760	444935	MBOVPG45_RS01925			C>T
NC_014760	447801	MBOVPG45_RS01935		C>T	
NC_014760	449716	MBOVPG45_RS01940		A>G	
NC_014760	450306	MBOVPG45_RS01940			T>C
NC_014760	450464	MBOVPG45_RS01940			T>G
NC_014760	450657	MBOVPG45_RS01940			C>T
NC_014760	451398	MBOVPG45_RS01945			T>G
NC_014760	451663	MBOVPG45_RS01945			A>G
NC_014760	454173	asnS			T>C
NC_014760	455097	MBOVPG45_RS01960			A>T
NC_014760	456260	MBOVPG45_RS01970			T>A
NC_014760	462062	MBOVPG45_RS02005			C>T
NC_014760	463061	MBOVPG45_RS02005			T>C
NC_014760	463304	MBOVPG45_RS02005			C>G
NC_014760	463373	MBOVPG45_RS02005			C>T
NC_014760	463676	MBOVPG45_RS02005			T>C
NC_014760	463976	MBOVPG45_RS02010			T>A
NC_014760	463997	MBOVPG45_RS02010			G>T
NC_014760	464003	MBOVPG45_RS02010			AA>TG
NC_014760	464069	MBOVPG45_RS02010			G>T
NC_014760	464129	MBOVPG45_RS02010		C>A	
NC_014760	464204	MBOVPG45_RS02010			T>A
NC_014760	464350	MBOVPG45_RS02010			G>T
NC_014760	464429	MBOVPG45_RS02010			C>T
NC_014760	464497	MBOVPG45_RS02010			TT>CC
NC_014760	464560	MBOVPG45_RS02010			C>T
NC_014760	464642	MBOVPG45_RS02010			C>T
NC_014760	464645	MBOVPG45_RS02010			T>C
NC_014760	464654	MBOVPG45_RS02010			T>C
NC_014760	464663	MBOVPG45_RS02010			C>T
NC_014760	464695	MBOVPG45_RS02010			C>T
NC_014760	464801	MBOVPG45_RS02010			C>T
NC_014760	464947	MBOVPG45_RS02010			T>C
NC_014760	464953	MBOVPG45_RS02010			AGA>TCC
NC_014760	464958	MBOVPG45_RS02010			CAT>AGC
NC_014760	464963	MBOVPG45_RS02010			G>A
NC_014760	464970	MBOVPG45_RS02010			AACA > del 4
NC_014760	464974	MBOVPG45_RS02010			T>G

NC_014760	464977	MBOVPG45_RS02010			- > ins CTCA
NC_014760	465022	MBOVPG45_RS02010			A>G
NC_014760	465056	MBOVPG45_RS02010			C>T
NC_014760	465107	MBOVPG45_RS02010			C>T
NC_014760	465118	MBOVPG45_RS02010			TT>CC
NC_014760	465286	MBOVPG45_RS02010			A>G
NC_014760	465289	MBOVPG45_RS02010			C>T
NC_014760	465296	MBOVPG45_RS02010			C>T
NC_014760	465374	MBOVPG45_RS02010			G>T
NC_014760	465497	MBOVPG45_RS02010			T>C
NC_014760	465500	MBOVPG45_RS02010			G>A
NC_014760	465526	MBOVPG45_RS02010			A>C
NC_014760	465565	MBOVPG45_RS02010			A>G
NC_014760	465586	MBOVPG45_RS02010			T>C
NC_014760	465684	MBOVPG45_RS02010			T>A
NC_014760	465839	MBOVPG45_RS02010			T>C
NC_014760	466370	msrB			T>C
NC_014760	466619	msrB			C>T
NC_014760	466982	MBOVPG45_RS02020			C>A
NC_014760	467001	MBOVPG45_RS02020			G>T
NC_014760	467128	MBOVPG45_RS02020		C > del 1	
NC_014760	467173	MBOVPG45_RS02020			C>T
NC_014760	467471	mutM			C>G
NC_014760	467519	mutM			T>C
NC_014760	467630	mutM			G>A
NC_014760	467996	mutM			TT>CC
NC_014760	468171	MBOVPG45_RS02030			C>T
NC_014760	469103	MBOVPG45_RS02030			A>C
NC_014760	469244	MBOVPG45_RS02030			T>C
NC_014760	469302	MBOVPG45_RS02030			G>A
NC_014760	469380	MBOVPG45_RS02035			C>T
NC_014760	469412	MBOVPG45_RS02035			AA>GC
NC_014760	469531	MBOVPG45_RS02035			T>C
NC_014760	469537	MBOVPG45_RS02035			C>T
NC_014760	469660	MBOVPG45_RS02035			T>G
NC_014760	469729	MBOVPG45_RS02035			T>C
NC_014760	469811	MBOVPG45_RS02035			A>C
NC_014760	470276	MBOVPG45_RS02035			T>A
NC_014760	470412	MBOVPG45_RS02035			G>A
NC_014760	470536	MBOVPG45_RS02035			G>C
NC_014760	470542	MBOVPG45_RS02035			T>A
NC_014760	471148	MBOVPG45_RS02045			C>A
NC_014760	471469	MBOVPG45_RS02045			T>C
NC_014760	472081	MBOVPG45_RS02045			T>C
NC_014760	472165	MBOVPG45_RS02045			C>T
NC_014760	473268	MBOVPG45_RS02050			G>A
NC_014760	473494	MBOVPG45_RS02050			T>A

NC_014760	474125	MBOVPG45_RS02050			T>A
NC_014760	474207	MBOVPG45_RS02050			A>G
NC_014760	474250	MBOVPG45_RS02050			A>G
NC_014760	476136	MBOVPG45_RS02060			G>A
NC_014760	477575	tsaE			G>A
NC_014760	477606	tsaE			A>T
NC_014760	477995	MBOVPG45_RS02070			G>A
NC_014760	478198	MBOVPG45_RS02070			C>A
NC_014760	478207	MBOVPG45_RS02070			A>C
NC_014760	478218	MBOVPG45_RS02070			GC>TA
NC_014760	478888	tsaD			A>G
NC_014760	479040	tsaD			AG>GC
NC_014760	479074	tsaD			G>T
NC_014760	479290	MBOVPG45_RS02080			C>T
NC_014760	479431	MBOVPG45_RS02080			A>G
NC_014760	479441	MBOVPG45_RS02080			G>A
NC_014760	479443	MBOVPG45_RS02080			A>G
NC_014760	479527	MBOVPG45_RS02080			G>A
NC_014760	479581	MBOVPG45_RS02080			A>C
NC_014760	479698	MBOVPG45_RS02080			G>A
NC_014760	479770	MBOVPG45_RS02080			C>A
NC_014760	479778	MBOVPG45_RS02080			T>G
NC_014760	480149	MBOVPG45_RS02080			C>A
NC_014760	480232	MBOVPG45_RS02080			A>T
NC_014760	480271	MBOVPG45_RS02080			A>C
NC_014760	480280	MBOVPG45_RS02080			AT>GC
NC_014760	480355	MBOVPG45_RS02080			A>G
NC_014760	480580	MBOVPG45_RS02080			G>A
NC_014760	480587	MBOVPG45_RS02080			GA>AC
NC_014760	480613	MBOVPG45_RS02080			G>A
NC_014760	480621	MBOVPG45_RS02080			A>T
NC_014760	480864	MBOVPG45_RS02080			A>T
NC_014760	480967	MBOVPG45_RS02080			G>A
NC_014760	480971	MBOVPG45_RS02080			A>C
NC_014760	487031	MBOVPG45_RS02105			A>T
NC_014760	488484	MBOVPG45_RS02110			A>G
NC_014760	491269	MBOVPG45_RS02120			T>G
NC_014760	491437	MBOVPG45_RS02120			T>C
NC_014760	491637	MBOVPG45_RS02120			T>C
NC_014760	491801	MBOVPG45_RS02120			T>G
NC_014760	491930	MBOVPG45_RS02120			A>T
NC_014760	491958	MBOVPG45_RS02120			C>T
NC_014760	492094	MBOVPG45_RS02120			T>G
NC_014760	492174	MBOVPG45_RS02120			C>T
NC_014760	492196	MBOVPG45_RS02120			T>C
NC_014760	492244	MBOVPG45_RS02120			G>C
NC_014760	492271	MBOVPG45_RS02120			T>C

NC_014760	492422	MBOVPG45_RS02120			T>C
NC_014760	492526	MBOVPG45_RS02120			C>T
NC_014760	492609	MBOVPG45_RS02120			T>C
NC_014760	492624	MBOVPG45_RS02120			A>C
NC_014760	492658	MBOVPG45_RS02120			T>C
NC_014760	492723	MBOVPG45_RS02120			T>C
NC_014760	493605	MBOVPG45_RS02125		- > ins T	
NC_014760	494007	MBOVPG45_RS02125			G>T
NC_014760	494230	MBOVPG45_RS02125			T>A
NC_014760	494385	MBOVPG45_RS02125			T>C
NC_014760	494529	MBOVPG45_RS02125			A>G
NC_014760	494778	MBOVPG45_RS02125			C>T
NC_014760	494903	MBOVPG45_RS02125			A>G
NC_014760	495020	MBOVPG45_RS02125			A>G
NC_014760	495033	MBOVPG45_RS02125			C>T
NC_014760	495053	MBOVPG45_RS02125			C>A
NC_014760	495056	MBOVPG45_RS02125			T>C
NC_014760	496543	MBOVPG45_RS02130			T>C
NC_014760	496546	MBOVPG45_RS02130			C>T
NC_014760	496872	MBOVPG45_RS02130			T > del 1
NC_014760	496897	MBOVPG45_RS02130			C>T
NC_014760	497123	MBOVPG45_RS02130			T>C
NC_014760	497281	MBOVPG45_RS02130			T>G
NC_014760	497287	MBOVPG45_RS02130			A>G
NC_014760	497318	MBOVPG45_RS02130			C>A
NC_014760	497823	MBOVPG45_RS02135			A>G
NC_014760	497826	MBOVPG45_RS02135			G>A
NC_014760	497839	MBOVPG45_RS02135			T>C
NC_014760	497946	MBOVPG45_RS02135			A>G
NC_014760	498112	MBOVPG45_RS02135			G>A
NC_014760	498724	MBOVPG45_RS02140			G>A
NC_014760	500449	MBOVPG45_RS02150			GGG > del 3
NC_014760	500489	MBOVPG45_RS02150			C>T
NC_014760	500534	MBOVPG45_RS02150			G>A
NC_014760	500539	MBOVPG45_RS02150			A>G
NC_014760	500549	MBOVPG45_RS02150			G>A
NC_014760	500605	MBOVPG45_RS02150			C>G
NC_014760	500613	MBOVPG45_RS02150			A>C
NC_014760	500623	MBOVPG45_RS02150			G>C
NC_014760	500652	MBOVPG45_RS02150			A>C
NC_014760	500657	MBOVPG45_RS02150			A>G
NC_014760	500710	MBOVPG45_RS02150			G>A
NC_014760	500735	MBOVPG45_RS02150			T>C
NC_014760	500741	MBOVPG45_RS02150			A>G
NC_014760	500754	MBOVPG45_RS02150			G>C
NC_014760	500763	MBOVPG45_RS02150			T>A
NC_014760	500786	MBOVPG45_RS02150		G>T	G>A

NC_014760	500813	MBOVPG45_RS02150			T>A
NC_014760	501101	MBOVPG45_RS02150			GAC > del 3
NC_014760	501954	MBOVPG45_RS02155			A>G
NC_014760	502829	MBOVPG45_RS02155			A>G
NC_014760	502830	MBOVPG45_RS02155			A>G
NC_014760	503162	MBOVPG45_RS02160			TA>GT
NC_014760	503660	MBOVPG45_RS02160			C>T
NC_014760	504209	trpS			T>A
NC_014760	505264	MBOVPG45_RS02170			C>A
NC_014760	506113	MBOVPG45_RS02170			T>C
NC_014760	506166	MBOVPG45_RS02170			GT>AC
NC_014760	506367	MBOVPG45_RS02170			A>T
NC_014760	506466	MBOVPG45_RS02170		C>T	
NC_014760	506476	MBOVPG45_RS02170			C>T
NC_014760	506547	MBOVPG45_RS02170			A>G
NC_014760	506551	MBOVPG45_RS02170			A>G
NC_014760	506659	MBOVPG45_RS02170			A>G
NC_014760	506905	MBOVPG45_RS04420			T>A
NC_014760	506916	MBOVPG45_RS04420			G>T
NC_014760	507065	MBOVPG45_RS04420			A>C
NC_014760	507142	MBOVPG45_RS04420			G>A
NC_014760	507923	MBOVPG45_RS02180			A>T
NC_014760	507930	MBOVPG45_RS02180			T>C
NC_014760	507933	MBOVPG45_RS02180			C>G
NC_014760	508164	MBOVPG45_RS02180			T>C
NC_014760	508231	MBOVPG45_RS02180			T>A
NC_014760	508247	MBOVPG45_RS02180			T>G
NC_014760	508281	MBOVPG45_RS02180			T>C
NC_014760	508294	MBOVPG45_RS02180			AT>GC
NC_014760	508304	MBOVPG45_RS02180			TT>CC
NC_014760	508329	MBOVPG45_RS02180			A>C
NC_014760	508356	MBOVPG45_RS02180			G>C
NC_014760	508422	MBOVPG45_RS02180			T>C
NC_014760	508424	MBOVPG45_RS02180			C>T
NC_014760	508440	MBOVPG45_RS02180			T>C
NC_014760	508825	MBOVPG45_RS02185			T>C
NC_014760	508827	MBOVPG45_RS02185			G>A
NC_014760	508854	MBOVPG45_RS02185			A>G
NC_014760	508863	MBOVPG45_RS02185			T>C
NC_014760	508932	MBOVPG45_RS02185			G>A
NC_014760	508953	MBOVPG45_RS02185			T>G
NC_014760	508970	MBOVPG45_RS02185			T>C
NC_014760	509112	MBOVPG45_RS02185			G>A
NC_014760	509161	MBOVPG45_RS02185			C>T
NC_014760	509214	MBOVPG45_RS02185			A>G
NC_014760	509350	MBOVPG45_RS02185			A>G
NC_014760	509357	MBOVPG45_RS02185			A>C

NC_014760	509770	MBOVPG45_RS02185			T>C
NC_014760	509794	MBOVPG45_RS02185			T>A
NC_014760	509813	MBOVPG45_RS02185			A>C
NC_014760	509852	MBOVPG45_RS02185			T>C
NC_014760	509917	MBOVPG45_RS02185			C>T
NC_014760	509946	MBOVPG45_RS02185			G>T
NC_014760	510067	MBOVPG45_RS02185			TA>CG
NC_014760	510171	MBOVPG45_RS02185			A>T
NC_014760	510240	MBOVPG45_RS02185			G>A
NC_014760	510784	MBOVPG45_RS02190			G>A
NC_014760	510933	MBOVPG45_RS02190			C>T
NC_014760	511038	MBOVPG45_RS02190			G>C
NC_014760	511107	MBOVPG45_RS02190			A > del 1
NC_014760	512844	atpH			T>A
NC_014760	512945	atpH			G>A
NC_014760	512953	atpH			G>A
NC_014760	512956	atpH			A>T
NC_014760	513447	MBOVPG45_RS02215			A>G
NC_014760	515730	MBOVPG45_RS02220		A>G	
NC_014760	517631	MBOVPG45_RS02230			G>T
NC_014760	519897	MBOVPG45_RS02245			A>G
NC_014760	521292	lon			A>C
NC_014760	521294	lon		C>T	
NC_014760	522302	lon			A>C
NC_014760	522518	lon			A>G
NC_014760	522537	lon			A>T
NC_014760	523679	MBOVPG45_RS02255			T>A
NC_014760	524097	MBOVPG45_RS02255			C>T
NC_014760	524121	MBOVPG45_RS02255			C>T
NC_014760	524509	MBOVPG45_RS02255			C>T
NC_014760	524586	MBOVPG45_RS02255			A>G
NC_014760	524612	MBOVPG45_RS02255			T>A
NC_014760	524777	MBOVPG45_RS02255			T>C
NC_014760	524798	MBOVPG45_RS02255			A>T
NC_014760	525121	MBOVPG45_RS02255			T>C
NC_014760	525136	MBOVPG45_RS02255			T>C
NC_014760	525219	MBOVPG45_RS02255			C>T
NC_014760	525250	MBOVPG45_RS02255			T>C
NC_014760	525372	MBOVPG45_RS02255			T>A
NC_014760	525867	MBOVPG45_RS02255			C>T
NC_014760	525904	MBOVPG45_RS02255			T>A
NC_014760	525907	MBOVPG45_RS02255			A>G
NC_014760	526035	MBOVPG45_RS02260			C>T
NC_014760	526112	MBOVPG45_RS02260			T>A
NC_014760	526134	MBOVPG45_RS02260			T>C
NC_014760	526152	MBOVPG45_RS02260			TG>CA
NC_014760	526268	MBOVPG45_RS02260			G>A

NC_014760	526274	MBOVPG45_RS02260			C>T
NC_014760	526509	MBOVPG45_RS02260			C>T
NC_014760	526560	MBOVPG45_RS02260			C>T
NC_014760	526621	MBOVPG45_RS02260			T>A
NC_014760	527473	ssb			A>G
NC_014760	527506	ssb			C>T
NC_014760	527527	ssb			C>G
NC_014760	527533	ssb			A>G
NC_014760	527720	ssb		C>T	
NC_014760	528299	MBOVPG45_RS02275			C>T
NC_014760	528754	MBOVPG45_RS02275			A>G
NC_014760	528974	MBOVPG45_RS02275			T>C
NC_014760	529217	MBOVPG45_RS02275			G>A
NC_014760	529460	MBOVPG45_RS02275			T>A
NC_014760	529465	MBOVPG45_RS02275			C>T
NC_014760	529601	MBOVPG45_RS02275			A>C
NC_014760	529642	MBOVPG45_RS02275			T>A
NC_014760	529772	MBOVPG45_RS02275			T>C
NC_014760	529969	MBOVPG45_RS02280	16S rRNA (uracil(1498)- N(3))- methyltransferase		C>T
NC_014760	530197	MBOVPG45_RS02280	16S rRNA (uracil(1498)- N(3))- methyltransferase		G>A
NC_014760	530519	MBOVPG45_RS02280	16S rRNA (uracil(1498)- N(3))- methyltransferase		A>C
NC_014760	530549	MBOVPG45_RS02280	16S rRNA (uracil(1498)- N(3))- methyltransferase		T>C
NC_014760	530918	MBOVPG45_RS02285			G>A
NC_014760	530923	MBOVPG45_RS02285			A>T
NC_014760	531011	MBOVPG45_RS02285			C>T
NC_014760	531106	MBOVPG45_RS02285			G>A
NC_014760	531127	MBOVPG45_RS02285			A>T
NC_014760	531421	MBOVPG45_RS02290			T>A
NC_014760	531438	MBOVPG45_RS02290			G>A
NC_014760	532709	MBOVPG45_RS02295			A>C
NC_014760	532945	MBOVPG45_RS02295			T>C

NC_014760	533326	MBOVPG45_RS02295			G>A
NC_014760	533495	MBOVPG45_RS02295			C>A
NC_014760	533589	MBOVPG45_RS02295		A>C	A>C
NC_014760	534120	rsmH			A>C
NC_014760	534155	rsmH			G>A
NC_014760	534221	rsmH			T>C
NC_014760	534449	rsmH			A>G
NC_014760	534654	rsmH			T>C
NC_014760	535888	MBOVPG45_RS02310			A>C
NC_014760	536751	MBOVPG45_RS02315			G>A
NC_014760	537640	MBOVPG45_RS02315			A>G
NC_014760	538024	MBOVPG45_RS02320			A>G
NC_014760	538752	dcm			T>C
NC_014760	539019	dcm			C>T
NC_014760	539235	dcm			T>C
NC_014760	539370	dcm			C>A
NC_014760	540693	uvrB			A>G
NC_014760	540926	uvrB			AA>GG
NC_014760	541115	uvrB			G>A
NC_014760	541358	uvrB			A>T
NC_014760	541422	uvrB			G>T
NC_014760	541772	uvrB			T>A
NC_014760	541893	uvrB			A>G
NC_014760	542036	uvrB			G>A
NC_014760	542088	uvrB			C>T
NC_014760	542155	uvrA			G>A
NC_014760	542169	uvrA			CC>TA
NC_014760	542566	uvrA			A>G
NC_014760	542813	uvrA			C>T
NC_014760	542824	uvrA			A>G
NC_014760	543869	uvrA			A>G
NC_014760	543905	uvrA			C>T
NC_014760	543989	uvrA			C>T
NC_014760	544264	uvrA			G>A
NC_014760	544453	uvrA			G>T
NC_014760	545064	MBOVPG45_RS02345			A>C
NC_014760	545201	MBOVPG45_RS02345			G>T
NC_014760	545347	MBOVPG45_RS02345			A>G
NC_014760	545389	MBOVPG45_RS02345			A>G
NC_014760	545563	MBOVPG45_RS02345			G>A
NC_014760	545610	MBOVPG45_RS02350, MBOVPG45_RS02345			G>A
NC_014760	545712	MBOVPG45_RS02350			A>G
NC_014760	545757	MBOVPG45_RS02350			C>T
NC_014760	545823	MBOVPG45_RS02350			G>T
NC_014760	545944	MBOVPG45_RS02350			G>T
NC_014760	545975	MBOVPG45_RS02350			G>A

NC_014760	551171	MBOVPG45_RS02380			T>A
NC_014760	552200	MBOVPG45_RS02385			C>T
NC_014760	553973	MBOVPG45_RS02390			A>T
NC_014760	553975	MBOVPG45_RS02390			T>C
NC_014760	553981	MBOVPG45_RS02390			C>T
NC_014760	553984	MBOVPG45_RS02390			CT>TG
NC_014760	553992	MBOVPG45_RS02390			C>T
NC_014760	555460	MBOVPG45_RS02390			T>G
NC_014760	555720	MBOVPG45_RS02390			TG>GT
NC_014760	555738	MBOVPG45_RS02390			C>T
NC_014760	555798	MBOVPG45_RS02390			A>G
NC_014760	555820	MBOVPG45_RS02390			T>C
NC_014760	555826	MBOVPG45_RS02390			C>T
NC_014760	555866	MBOVPG45_RS02390			A>T
NC_014760	555880	MBOVPG45_RS02390			C>T
NC_014760	556007	MBOVPG45_RS02390			A>T
NC_014760	556010	MBOVPG45_RS02390			TGG>GTT
NC_014760	556024	MBOVPG45_RS02390			T>C
NC_014760	556028	MBOVPG45_RS02390			CGGC>TTCT
NC_014760	556047	MBOVPG45_RS02390			T>C
NC_014760	556135	MBOVPG45_RS02390			C>T
NC_014760	556137	MBOVPG45_RS02390			T>C
NC_014760	556153	MBOVPG45_RS02390			C>T
NC_014760	556161	MBOVPG45_RS02390			GT>AC
NC_014760	556466	MBOVPG45_RS02390			AC>TG
NC_014760	556473	MBOVPG45_RS02390			GG>AT
NC_014760	556478	MBOVPG45_RS02390			AG>TT
NC_014760	557052	MBOVPG45_RS02390			A>G
NC_014760	557067	MBOVPG45_RS02390			G>A
NC_014760	557345	MBOVPG45_RS02395			G>C
NC_014760	557376	MBOVPG45_RS02395			A>T
NC_014760	557481	MBOVPG45_RS02395			A>T
NC_014760	557763	MBOVPG45_RS02395			A>T
NC_014760	557979	MBOVPG45_RS02400		C>T	
NC_014760	559822	MBOVPG45_RS02400		T>C	T>C
NC_014760	559972	MBOVPG45_RS02400			A>G
NC_014760	561474	MBOVPG45_RS02405			C>T
NC_014760	561488	MBOVPG45_RS02405			A>G
NC_014760	561570	MBOVPG45_RS02405			A>T
NC_014760	561944	MBOVPG45_RS02405			G>A
NC_014760	562005	MBOVPG45_RS02405			TT>CA
NC_014760	563125	MBOVPG45_RS02410			C>T
NC_014760	564824	MBOVPG45_RS02420			A>G
NC_014760	565237	MBOVPG45_RS02420			- > ins T
NC_014760	565492	MBOVPG45_RS02425			T>A
NC_014760	565510	MBOVPG45_RS02425			TTCTAGTTC > del 9

NC_014760	565524	MBOVPG45_RS02425			C>T
NC_014760	565527	MBOVPG45_RS02425			T>C
NC_014760	565536	MBOVPG45_RS02425			T>C
NC_014760	565538	MBOVPG45_RS02425			A>T
NC_014760	565552	MBOVPG45_RS02425			T>G
NC_014760	565564	MBOVPG45_RS02425			T>A
NC_014760	566186	MBOVPG45_RS02430			A>T
NC_014760	566238	MBOVPG45_RS02430			A>C
NC_014760	566243	MBOVPG45_RS02430			G>A
NC_014760	566271	MBOVPG45_RS02430			G>T
NC_014760	566794	MBOVPG45_RS02430			A>T
NC_014760	566912	MBOVPG45_RS02435			A>G
NC_014760	567177	MBOVPG45_RS02435			A>C
NC_014760	567250	MBOVPG45_RS02440			C>T
NC_014760	567268	MBOVPG45_RS02440			C>A
NC_014760	567301	MBOVPG45_RS02440			T>C
NC_014760	567327	MBOVPG45_RS02440			T>C
NC_014760	567427	MBOVPG45_RS02440			A>T
NC_014760	567440	MBOVPG45_RS02440			AG>GA
NC_014760	567514	MBOVPG45_RS02445			TC>CT
NC_014760	568134	MBOVPG45_RS02445			T>A
NC_014760	568142	MBOVPG45_RS02445			C>G
NC_014760	569339	MBOVPG45_RS02455			T>C
NC_014760	569367	MBOVPG45_RS02455			T>A
NC_014760	569845	MBOVPG45_RS02455			C>G
NC_014760	569979	MBOVPG45_RS02455			C>T
NC_014760	570373	MBOVPG45_RS02455			T>C
NC_014760	570980	MBOVPG45_RS02460			T>A
NC_014760	571002	MBOVPG45_RS02460			T>C
NC_014760	571014	MBOVPG45_RS02460			T>C
NC_014760	571077	MBOVPG45_RS02460			T>G
NC_014760	571239	MBOVPG45_RS02460			T>C
NC_014760	571267	MBOVPG45_RS02460			A>T
NC_014760	571686	MBOVPG45_RS02460			C>T
NC_014760	571695	MBOVPG45_RS02460			T>C
NC_014760	571787	MBOVPG45_RS02460			GG>AA
NC_014760	571791	MBOVPG45_RS02460			T>C
NC_014760	572379	MBOVPG45_RS04635			G>A
NC_014760	572397	MBOVPG45_RS04635			T>C
NC_014760	572449	MBOVPG45_RS04635			C>T
NC_014760	572471	MBOVPG45_RS04635			A > del 1
NC_014760	572484	MBOVPG45_RS04635			C>T
NC_014760	572490	MBOVPG45_RS04635			- > ins T
NC_014760	573609	MBOVPG45_RS02470			T>G
NC_014760	573793	MBOVPG45_RS02470			C>T
NC_014760	573795	MBOVPG45_RS02470			T>A
NC_014760	573840	MBOVPG45_RS02470			T>G

NC_014760	573886	MBOVPG45_RS02470			T>C
NC_014760	573955	MBOVPG45_RS02470			T>C
NC_014760	573989	MBOVPG45_RS02470			T>A
NC_014760	574024	MBOVPG45_RS02470			G>A
NC_014760	574026	MBOVPG45_RS02470			A>G
NC_014760	574046	MBOVPG45_RS02470			A>C
NC_014760	575129	MBOVPG45_RS02480			A>T
NC_014760	575865	MBOVPG45_RS02480		A > del 1	
NC_014760	575881	MBOVPG45_RS02480			A>G
NC_014760	575893	MBOVPG45_RS02480			G>C
NC_014760	576731	MBOVPG45_RS02485			A>G
NC_014760	576734	MBOVPG45_RS02485			T>C
NC_014760	576925	MBOVPG45_RS02485			- > ins T
NC_014760	577264	MBOVPG45_RS02490			TCC>CTT
NC_014760	577275	MBOVPG45_RS02490			AA>GG
NC_014760	577278	MBOVPG45_RS02490			C>T
NC_014760	577312	MBOVPG45_RS02490			C>T
NC_014760	578011	MBOVPG45_RS02495			C>T
NC_014760	578792	MBOVPG45_RS02500		T>C	
NC_014760	578841	MBOVPG45_RS02500			GT>AC
NC_014760	578874	MBOVPG45_RS02500			T>G
NC_014760	579359	MBOVPG45_RS02500			T>C
NC_014760	579372	MBOVPG45_RS02500			- > ins GAT
NC_014760	579400	MBOVPG45_RS02500			T>C
NC_014760	579404	MBOVPG45_RS02500			G>A
NC_014760	579484	MBOVPG45_RS02500			G>T
NC_014760	579487	MBOVPG45_RS02500			C>T
NC_014760	579518	MBOVPG45_RS02500			TT>CC
NC_014760	579529	MBOVPG45_RS02500			TC>GT
NC_014760	579617	MBOVPG45_RS02500			G>A
NC_014760	579619	MBOVPG45_RS02500			A>T
NC_014760	579727	MBOVPG45_RS02500			C>T
NC_014760	579805	MBOVPG45_RS02500			CC>TT
NC_014760	579830	MBOVPG45_RS02500			T>C
NC_014760	579857	MBOVPG45_RS02500			C>T
NC_014760	579901	MBOVPG45_RS02500			TG>CC
NC_014760	579904	MBOVPG45_RS02500			T>A
NC_014760	579911	MBOVPG45_RS02500			T>C
NC_014760	579925	MBOVPG45_RS02500			C>T
NC_014760	579928	MBOVPG45_RS02500			T>A
NC_014760	579931	MBOVPG45_RS02500			TAT > del 3
NC_014760	579971	MBOVPG45_RS02500			C>T
NC_014760	580022	MBOVPG45_RS02500			A>G
NC_014760	580026	MBOVPG45_RS02500			T>A
NC_014760	580032	MBOVPG45_RS02500			- > ins TTT
NC_014760	580084	MBOVPG45_RS02500			C>T

NC_014760	580095	MBOVPG45_RS02500			TGATATATT > del 9
NC_014760	580303	MBOVPG45_RS02500			C>G
NC_014760	580438	MBOVPG45_RS02500			G>T
NC_014760	580594	MBOVPG45_RS02500			G>C
NC_014760	580619	MBOVPG45_RS02500			T>C
NC_014760	580685	MBOVPG45_RS02500			T>C
NC_014760	580780	MBOVPG45_RS02500			T>C
NC_014760	580897	MBOVPG45_RS02500			A>G
NC_014760	580900	MBOVPG45_RS02500			G>A
NC_014760	581268	MBOVPG45_RS02505			A>T
NC_014760	581494	MBOVPG45_RS02505			T>A
NC_014760	581561	MBOVPG45_RS02505			G>A
NC_014760	581582	MBOVPG45_RS02505			A>G
NC_014760	581597	MBOVPG45_RS02505			T>C
NC_014760	581712	MBOVPG45_RS02505			A>G
NC_014760	581846	MBOVPG45_RS02505			G>A
NC_014760	582294	ruvX			T>C
NC_014760	582733	alaS			G>C
NC_014760	583598	alaS			T>C
NC_014760	583645	alaS			G>A
NC_014760	583801	alaS			C>T
NC_014760	584000	alaS			C>T
NC_014760	584052	alaS			T>A
NC_014760	584117	alaS		G>A	
NC_014760	584246	alaS			T>C
NC_014760	584257	alaS			C>G
NC_014760	585222	mnmA			T>C
NC_014760	585273	mnmA			T>C
NC_014760	585314	mnmA			G>A
NC_014760	585459	mnmA			T>C
NC_014760	585469	mnmA			A>T
NC_014760	586464	MBOVPG45_RS02525			T>C
NC_014760	586640	MBOVPG45_RS02525			G>A
NC_014760	587053	MBOVPG45_RS02525			GC>AT
NC_014760	587200	MBOVPG45_RS02530			A>G
NC_014760	587419	MBOVPG45_RS02530			A>G
NC_014760	587434	MBOVPG45_RS02530			A>T
NC_014760	587476	MBOVPG45_RS02530			G>A
NC_014760	587523	MBOVPG45_RS02530			A>C
NC_014760	587536	MBOVPG45_RS02530			G>A
NC_014760	587647	MBOVPG45_RS02530			C>A
NC_014760	587660	MBOVPG45_RS02530			TC>CT
NC_014760	587663	MBOVPG45_RS02530			G>A
NC_014760	587683	MBOVPG45_RS02530			GAG>AGC
NC_014760	591273	MBOVPG45_RS02550			G>T
NC_014760	591350	MBOVPG45_RS02550			C>A

NC_014760	591570	MBOVPG45_RS02550			T>A
NC_014760	592036	MBOVPG45_RS02550			C>T
NC_014760	592099	MBOVPG45_RS02550			C>T
NC_014760	592126	MBOVPG45_RS02550			C>T
NC_014760	592432	MBOVPG45_RS02555			A>T
NC_014760	592516	MBOVPG45_RS02555			G>A
NC_014760	592526	MBOVPG45_RS02555			T>C
NC_014760	592580	MBOVPG45_RS02555			T>C
NC_014760	592587	MBOVPG45_RS02555			- > ins G
NC_014760	592588	MBOVPG45_RS02555			A>T
NC_014760	592642	MBOVPG45_RS02555			G>A
NC_014760	592645	MBOVPG45_RS02555			T>C
NC_014760	592676	MBOVPG45_RS02555			C>T
NC_014760	592985	MBOVPG45_RS02555			T>A
NC_014760	593925	MBOVPG45_RS02560			C>T
NC_014760	594709	MBOVPG45_RS02565			G>A
NC_014760	594792	MBOVPG45_RS02565			G>C
NC_014760	594891	MBOVPG45_RS02565			CG>TA
NC_014760	595603	MBOVPG45_RS02570			T>C
NC_014760	595806	MBOVPG45_RS02570			T>A
NC_014760	595822	MBOVPG45_RS02570			G>T
NC_014760	596087	MBOVPG45_RS02570			T>G
NC_014760	596888	MBOVPG45_RS02575			CA>AG
NC_014760	596973	MBOVPG45_RS02575			G>A
NC_014760	597195	MBOVPG45_RS02575			A>G
NC_014760	597675	MBOVPG45_RS02580			T>C
NC_014760	597818	MBOVPG45_RS02580			C>T
NC_014760	598367	MBOVPG45_RS02580			G>A
NC_014760	598389	MBOVPG45_RS02580			AC>GT
NC_014760	600549	MBOVPG45_RS02580			C>T
NC_014760	606351	MBOVPG45_RS02615			G>A
NC_014760	609179	glpK			G>A
NC_014760	609190	glpK			G>A
NC_014760	610095	glpK			A>T
NC_014760	613725	MBOVPG45_RS02640			T>C
NC_014760	615303	MBOVPG45_RS02645			C>T
NC_014760	615566	MBOVPG45_RS02645			G>A
NC_014760	620753	MBOVPG45_RS02665			C>G
NC_014760	620756	MBOVPG45_RS02665			C>T
NC_014760	624992	topA			- > ins A
NC_014760	631133	MBOVPG45_RS02715, MBOVPG45_RS02710			C>T
NC_014760	631191	MBOVPG45_RS02715			G>A
NC_014760	631213	MBOVPG45_RS02715			T>C
NC_014760	633285	MBOVPG45_RS02720			C>T
NC_014760	634259	MBOVPG45_RS02725			C>T
NC_014760	634299	MBOVPG45_RS02725			A>G

NC_014760	634813	MBOVPG45_RS02725			A>G
NC_014760	635026	MBOVPG45_RS02725			G>A
NC_014760	635117	MBOVPG45_RS02725			C>T
NC_014760	635135	MBOVPG45_RS02725			CTGAGC > del 6
NC_014760	635152	MBOVPG45_RS02725			A>G
NC_014760	635163	MBOVPG45_RS02725			T>A
NC_014760	635185	MBOVPG45_RS02725			G>C
NC_014760	635197	MBOVPG45_RS02725			T>C
NC_014760	635200	MBOVPG45_RS02725			A>G
NC_014760	635267	MBOVPG45_RS02725			T>A
NC_014760	635282	MBOVPG45_RS02725			C>T
NC_014760	635285	MBOVPG45_RS02725			C>T
NC_014760	635295	MBOVPG45_RS02725			- > ins GAT
NC_014760	635342	MBOVPG45_RS02725			C>T
NC_014760	635463	MBOVPG45_RS02725			GC>AT
NC_014760	635566	MBOVPG45_RS02725			C>A
NC_014760	635575	MBOVPG45_RS02725			G>A
NC_014760	636688	MBOVPG45_RS02730			G>A
NC_014760	636732	MBOVPG45_RS02730			A>G
NC_014760	637373	dnaG			G>T
NC_014760	637455	dnaG			A>G
NC_014760	638540	dnaG			G>A
NC_014760	638893	dnaG			G>A
NC_014760	639516	MBOVPG45_RS02740			T>A
NC_014760	641166	MBOVPG45_RS02745			T>C
NC_014760	641193	MBOVPG45_RS02745			A>G
NC_014760	641354	MBOVPG45_RS02745			AC>CA
NC_014760	641390	MBOVPG45_RS02745			T>G
NC_014760	641833	MBOVPG45_RS02750			A>G
NC_014760	641914	MBOVPG45_RS02750			G>A
NC_014760	642412	MBOVPG45_RS02750			A>G
NC_014760	643726	MBOVPG45_RS02755			A>G
NC_014760	643759	MBOVPG45_RS02760			A>G
NC_014760	643790	MBOVPG45_RS02760			A>T
NC_014760	644166	MBOVPG45_RS02760			G>A
NC_014760	644211	MBOVPG45_RS02760			G>A
NC_014760	644240	MBOVPG45_RS02760			G>A
NC_014760	644253	MBOVPG45_RS02760			A>G
NC_014760	644774	MBOVPG45_RS02760			A>G
NC_014760	644777	MBOVPG45_RS02760			T>C
NC_014760	644786	MBOVPG45_RS02760			G>A
NC_014760	644808	MBOVPG45_RS02760			A>G
NC_014760	644819	MBOVPG45_RS02760			T>A
NC_014760	644849	MBOVPG45_RS02760			G>A
NC_014760	644862	MBOVPG45_RS02760			G>A
NC_014760	644865	MBOVPG45_RS02760			A>T
NC_014760	644909	MBOVPG45_RS02760			T>C

NC_014760	644959	MBOVPG45_RS02760			G>T
NC_014760	645099	MBOVPG45_RS02760			T>A
NC_014760	645310	MBOVPG45_RS02760			A>G
NC_014760	645973	MBOVPG45_RS02765			C>T
NC_014760	646189	MBOVPG45_RS02765			T>G
NC_014760	646219	MBOVPG45_RS02765			C>T
NC_014760	646365	MBOVPG45_RS02765			C>T
NC_014760	646369	MBOVPG45_RS02765			T>C
NC_014760	646646	rpsB			T>C
NC_014760	647105	rpsB			A>C
NC_014760	647511	rpsB			C>T
NC_014760	647839	MBOVPG45_RS02775			T>C
NC_014760	648784	MBOVPG45_RS02780			T>A
NC_014760	648875	MBOVPG45_RS02780			C>A
NC_014760	648893	MBOVPG45_RS02780			T>C
NC_014760	649000	MBOVPG45_RS02780			A>G
NC_014760	649011	MBOVPG45_RS02780			TG>CA
NC_014760	649015	MBOVPG45_RS02780			C>T
NC_014760	649103	MBOVPG45_RS02780			G>A
NC_014760	649213	MBOVPG45_RS02780			T>A
NC_014760	649254	MBOVPG45_RS02780			AA>GG
NC_014760	649358	MBOVPG45_RS02780			T>C
NC_014760	649427	MBOVPG45_RS02780			C>T
NC_014760	649462	MBOVPG45_RS02780			T>G
NC_014760	649516	MBOVPG45_RS02780			G>A
NC_014760	650147	MBOVPG45_RS02785			TAATAGTAGTAG > del 12
NC_014760	650149	MBOVPG45_RS02785		- > ins TAGx3	
NC_014760	650172	MBOVPG45_RS02785			T>C
NC_014760	650184	MBOVPG45_RS02785			A>G
NC_014760	650209	MBOVPG45_RS02785			GC>AT
NC_014760	650212	MBOVPG45_RS02785			C>T
NC_014760	650235	MBOVPG45_RS02785			G>A
NC_014760	650298	MBOVPG45_RS02785			C>G
NC_014760	650424	MBOVPG45_RS02785			T>C
NC_014760	650433	MBOVPG45_RS02785			A>G
NC_014760	650481	MBOVPG45_RS02785			A>T
NC_014760	650512	MBOVPG45_RS02785			C>T
NC_014760	650561	MBOVPG45_RS02785			CG>TT
NC_014760	650886	MBOVPG45_RS02785			A>G
NC_014760	651207	MBOVPG45_RS02785			A>G
NC_014760	651209	MBOVPG45_RS02785			AGA>GAC
NC_014760	651219	MBOVPG45_RS02785			AA>GG
NC_014760	651245	MBOVPG45_RS02785			A>T
NC_014760	651310	MBOVPG45_RS02785			G>A
NC_014760	651341	MBOVPG45_RS02785			T>A
NC_014760	651369	MBOVPG45_RS02785			GT>AC

NC_014760	651372	MBOVPG45_RS02785			C>A
NC_014760	651376	MBOVPG45_RS02785			GG>AC
NC_014760	651392	MBOVPG45_RS02785			T>A
NC_014760	651430	MBOVPG45_RS02790			G>A
NC_014760	651447	MBOVPG45_RS02790			T>G
NC_014760	651475	MBOVPG45_RS02790			T>A
NC_014760	651498	MBOVPG45_RS02790			G>A
NC_014760	651511	MBOVPG45_RS02790			G>T
NC_014760	651633	MBOVPG45_RS02790			A > del 1
NC_014760	651781	MBOVPG45_RS02795			T>C
NC_014760	651795	MBOVPG45_RS02795			C>A
NC_014760	651932	MBOVPG45_RS02795			G>A
NC_014760	651993	MBOVPG45_RS02795			C>A
NC_014760	652512	MBOVPG45_RS02795			G>A
NC_014760	653132	MBOVPG45_RS02795			A>G
NC_014760	653165	MBOVPG45_RS02795			GA>AC
NC_014760	653616	MBOVPG45_RS02795			A>G
NC_014760	653669	MBOVPG45_RS02795			A>T
NC_014760	654099	MBOVPG45_RS02800			G>C
NC_014760	654116	MBOVPG45_RS02800			- > ins CAAAC
NC_014760	654118	MBOVPG45_RS02800			- > ins A
NC_014760	655861	MBOVPG45_RS02800, MBOVPG45_RS02805			C>T
NC_014760	655873	MBOVPG45_RS02805, MBOVPG45_RS02800			GC>AA
NC_014760	656135	MBOVPG45_RS02805			G>A
NC_014760	656339	MBOVPG45_RS02805			G>A
NC_014760	656384	MBOVPG45_RS02805			A>G
NC_014760	656401	MBOVPG45_RS02805			A>G
NC_014760	656403	MBOVPG45_RS02805			G>T
NC_014760	656662	MBOVPG45_RS02805			G>A
NC_014760	656769	MBOVPG45_RS02805			C>G
NC_014760	656957	MBOVPG45_RS02805			A>G
NC_014760	657141	MBOVPG45_RS02805			AA>GG
NC_014760	657334	MBOVPG45_RS02805			A>G
NC_014760	657487	MBOVPG45_RS02805			C>G
NC_014760	657550	MBOVPG45_RS02805			A>G
NC_014760	657724	MBOVPG45_RS02805			G>A
NC_014760	659437	rmuC			G>A
NC_014760	659637	MBOVPG45_RS02815			G>A
NC_014760	659676	MBOVPG45_RS02815			T>C
NC_014760	662114	MBOVPG45_RS02820		G>A	
NC_014760	663026	MBOVPG45_RS02825			G>A
NC_014760	663029	MBOVPG45_RS02825			G>C
NC_014760	666001	MBOVPG45_RS02835			G>A
NC_014760	666071	MBOVPG45_RS02835		C>A	
NC_014760	666194	MBOVPG45_RS02835			T>C

NC_014760	666558	MBOVPG45_RS02835			- > ins T
NC_014760	667694	MBOVPG45_RS02845		T > del 1	
NC_014760	669998	MBOVPG45_RS02855			A>G
NC_014760	670440	MBOVPG45_RS02860			T>C
NC_014760	670483	MBOVPG45_RS02860			T>C
NC_014760	670565	MBOVPG45_RS02860			A>T
NC_014760	671196	MBOVPG45_RS02860			A>T
NC_014760	671422	MBOVPG45_RS02860			C>T
NC_014760	674943	dnaB			T>C
NC_014760	677174	MBOVPG45_RS02885			T>A
NC_014760	677211	MBOVPG45_RS02885			T>C
NC_014760	677282	MBOVPG45_RS02885			T>C
NC_014760	677565	MBOVPG45_RS02885			G>T
NC_014760	677990	MBOVPG45_RS02890			T>A
NC_014760	678204	MBOVPG45_RS02890			T>A
NC_014760	678237	MBOVPG45_RS02890			G>A
NC_014760	678361	MBOVPG45_RS02890			T>C
NC_014760	678373	MBOVPG45_RS02890			T>C
NC_014760	678403	MBOVPG45_RS02890			G>A
NC_014760	678405	MBOVPG45_RS02890			TT>AC
NC_014760	678475	MBOVPG45_RS02890			T>C
NC_014760	678491	MBOVPG45_RS02890			T>G
NC_014760	678702	MBOVPG45_RS02890			G>A
NC_014760	678763	MBOVPG45_RS02890			A>G
NC_014760	678813	MBOVPG45_RS02890			A>G
NC_014760	678846	MBOVPG45_RS02890			A>G
NC_014760	678882	MBOVPG45_RS02890			G>A
NC_014760	679145	MBOVPG45_RS02895			T>C
NC_014760	679603	MBOVPG45_RS02895			C>T
NC_014760	680552	MBOVPG45_RS02895			A>G
NC_014760	681045	MBOVPG45_RS02900			T>G
NC_014760	681061	MBOVPG45_RS02900			T>G
NC_014760	681068	MBOVPG45_RS02900			GTT>ACC
NC_014760	681212	MBOVPG45_RS02900			A>T
NC_014760	681239	MBOVPG45_RS02900			T>A
NC_014760	681260	MBOVPG45_RS02900			A>T
NC_014760	681271	MBOVPG45_RS02900			T>C
NC_014760	681396	MBOVPG45_RS02900			A>G
NC_014760	681477	MBOVPG45_RS02900			C>T
NC_014760	681563	MBOVPG45_RS02900			T>A
NC_014760	681565	MBOVPG45_RS02900			G>A
NC_014760	681567	MBOVPG45_RS02900			C>T
NC_014760	681724	MBOVPG45_RS02900			G>A
NC_014760	681754	MBOVPG45_RS02900			T>C
NC_014760	681765	MBOVPG45_RS02900			A>G
NC_014760	681816	MBOVPG45_RS02900			G>T
NC_014760	681947	MBOVPG45_RS02900			A>C

NC_014760	681988	MBOVPG45_RS02900			G>A
NC_014760	682057	MBOVPG45_RS02900			C>T
NC_014760	682061	MBOVPG45_RS02900			AG>GA
NC_014760	682066	MBOVPG45_RS02900			T>C
NC_014760	682073	MBOVPG45_RS02900			A>T
NC_014760	682131	MBOVPG45_RS02900			T>C
NC_014760	682153	MBOVPG45_RS02900			T>G
NC_014760	682161	MBOVPG45_RS02900			TC>GT
NC_014760	682166	MBOVPG45_RS02900			A>C
NC_014760	682178	MBOVPG45_RS02900			C>A
NC_014760	682191	MBOVPG45_RS02900			GC>TT
NC_014760	682360	MBOVPG45_RS02900			G>A
NC_014760	682496	MBOVPG45_RS02900			A>T
NC_014760	682552	MBOVPG45_RS02900			C>G
NC_014760	682614	MBOVPG45_RS02900			T>G
NC_014760	682619	MBOVPG45_RS02900			ATCT>TGAC
NC_014760	682689	MBOVPG45_RS02900			G>A
NC_014760	682961	MBOVPG45_RS02905		C>T	
NC_014760	683395	MBOVPG45_RS02905			T>C
NC_014760	690881	MBOVPG45_RS02945		A>C	
NC_014760	693602	ruvA			A>G
NC_014760	693690	ruvA			T>C
NC_014760	697337	MBOVPG45_RS02990			T>C
NC_014760	697407	MBOVPG45_RS02990			T>C
NC_014760	697545	MBOVPG45_RS02990			G>A
NC_014760	697668	MBOVPG45_RS02990			T>C
NC_014760	697741	ileS			T > del 1
NC_014760	697989	ileS		A>G	
NC_014760	698895	ileS			A>G
NC_014760	699583	ileS			T>C
NC_014760	699621	ileS			TG>CA
NC_014760	700006	ileS			C>T
NC_014760	700827	MBOVPG45_RS03000			G>C
NC_014760	701457	MBOVPG45_RS03000			A>G
NC_014760	704332	MBOVPG45_RS03050			G>A
NC_014760	704335	MBOVPG45_RS03050			G>C
NC_014760	713717	MBOVPG45_RS03080			C>T
NC_014760	713934	MBOVPG45_RS03080			T>A
NC_014760	714191	MBOVPG45_RS03080			T>G
NC_014760	714378	MBOVPG45_RS03080			AC>TT
NC_014760	714566	MBOVPG45_RS03080			T>C
NC_014760	714581	MBOVPG45_RS03080			T>C
NC_014760	715138	MBOVPG45_RS03080			T>A
NC_014760	715144	MBOVPG45_RS03080			T>A
NC_014760	715412	MBOVPG45_RS03080			T>C
NC_014760	715692	MBOVPG45_RS03080			A>T
NC_014760	716234	MBOVPG45_RS03085			T>C

NC_014760	717489	MBOVPG45_RS03090			G>A
NC_014760	719249	MBOVPG45_RS03095			A>C
NC_014760	719322	MBOVPG45_RS03095			GG>CA
NC_014760	719326	MBOVPG45_RS03095			GT>AC
NC_014760	719339	MBOVPG45_RS03095			C>T
NC_014760	719348	MBOVPG45_RS03095			T>A
NC_014760	719402	MBOVPG45_RS03095			A>G
NC_014760	719728	MBOVPG45_RS03095			G>A
NC_014760	730969	MBOVPG45_RS03145			A>G
NC_014760	731350	MBOVPG45_RS03150			G>A
NC_014760	731400	MBOVPG45_RS03150			A>T
NC_014760	731735	MBOVPG45_RS03150			GT>AC
NC_014760	731749	MBOVPG45_RS03150			A>G
NC_014760	732255	MBOVPG45_RS03150			G>A
NC_014760	732335	MBOVPG45_RS03150			AA>GC
NC_014760	732418	MBOVPG45_RS03150			G>A
NC_014760	732431	MBOVPG45_RS03150			G>C
NC_014760	732530	MBOVPG45_RS03150			A>G
NC_014760	732536	MBOVPG45_RS03150			G>A
NC_014760	732728	MBOVPG45_RS03155			C>T
NC_014760	733123	ftsY		- > ins AAGATG	- > ins AAGATG
NC_014760	733682	ftsY			A>T
NC_014760	735556	MBOVPG45_RS03180			T>C
NC_014760	735776	MBOVPG45_RS03180			C>T
NC_014760	735791	MBOVPG45_RS03180			C>T
NC_014760	735844	MBOVPG45_RS03180			G>A
NC_014760	736022	MBOVPG45_RS03180			T>G
NC_014760	736034	MBOVPG45_RS03180			CG>TA
NC_014760	736037	MBOVPG45_RS03180			A>C
NC_014760	736051	MBOVPG45_RS03180			T>C
NC_014760	736179	MBOVPG45_RS03180			T>C
NC_014760	736184	MBOVPG45_RS03180			T>A
NC_014760	736186	MBOVPG45_RS03180			C>A
NC_014760	736512	MBOVPG45_RS03185			T>C
NC_014760	736530	MBOVPG45_RS03185			C>T
NC_014760	736781	MBOVPG45_RS03190			C>A
NC_014760	736814	MBOVPG45_RS03190			C>T
NC_014760	736820	MBOVPG45_RS03190			TG>AT
NC_014760	736867	MBOVPG45_RS03190			T>A
NC_014760	736878	MBOVPG45_RS03190			A>C
NC_014760	737001	MBOVPG45_RS03190			GCC > del 3
NC_014760	737009	MBOVPG45_RS03190			G>A
NC_014760	737011	MBOVPG45_RS03190			TT>GC
NC_014760	737122	MBOVPG45_RS03190			C>G
NC_014760	737173	MBOVPG45_RS03190			G>T
NC_014760	737250	MBOVPG45_RS03190			C>G
NC_014760	737282	MBOVPG45_RS03190			C>T

NC_014760	737284	MBOVPG45_RS03190			T>C
NC_014760	737294	MBOVPG45_RS03190			G>C
NC_014760	737384	MBOVPG45_RS03190			T>C
NC_014760	737514	MBOVPG45_RS03190			C>A
NC_014760	737603	MBOVPG45_RS03190			T>G
NC_014760	737642	MBOVPG45_RS03190			C>T
NC_014760	737818	MBOVPG45_RS03190			A>T
NC_014760	737821	MBOVPG45_RS03190			A>G
NC_014760	737874	MBOVPG45_RS03190			G>T
NC_014760	737897	MBOVPG45_RS03190			C>T
NC_014760	738079	MBOVPG45_RS03195			C>G
NC_014760	738200	MBOVPG45_RS03195			C>T
NC_014760	738205	MBOVPG45_RS03195			C>T
NC_014760	738274	MBOVPG45_RS03195			C>T
NC_014760	738391	MBOVPG45_RS03195			C>G
NC_014760	738521	MBOVPG45_RS03195			G>T
NC_014760	738541	MBOVPG45_RS03195			T>C
NC_014760	738548	MBOVPG45_RS03195			C>T
NC_014760	738584	MBOVPG45_RS03195			CC>TG
NC_014760	738601	MBOVPG45_RS03195			- > ins AAT
NC_014760	738605	MBOVPG45_RS03195			GC>AT
NC_014760	738614	MBOVPG45_RS03195			GTTATC > del 6
NC_014760	738692	MBOVPG45_RS03195			G>T
NC_014760	738965	MBOVPG45_RS03195			A>T
NC_014760	738990	MBOVPG45_RS03195			C>T
NC_014760	739076	MBOVPG45_RS03195			A>T
NC_014760	739142	MBOVPG45_RS03195			A>T
NC_014760	739153	MBOVPG45_RS03195			GA>CC
NC_014760	739158	MBOVPG45_RS03195			C>T
NC_014760	739252	MBOVPG45_RS03195			T>C
NC_014760	739479	MBOVPG45_RS03195			C>T
NC_014760	739484	MBOVPG45_RS03195			T>A
NC_014760	739487	MBOVPG45_RS03195			T>G
NC_014760	739506	MBOVPG45_RS03195			T>C
NC_014760	739569	MBOVPG45_RS03195			G>A
NC_014760	739606	MBOVPG45_RS03195			G>A
NC_014760	740336	MBOVPG45_RS03200			G>A
NC_014760	740345	MBOVPG45_RS03200			G>A
NC_014760	740525	MBOVPG45_RS03200			A>C
NC_014760	740780	MBOVPG45_RS03200			G>A
NC_014760	741395	MBOVPG45_RS03210			A>G
NC_014760	743052	MBOVPG45_RS03215			A>C
NC_014760	743059	MBOVPG45_RS03215			A>G
NC_014760	743453	MBOVPG45_RS03215			CA>TG
NC_014760	743837	MBOVPG45_RS03215			A>T
NC_014760	744092	MBOVPG45_RS03220			A>G
NC_014760	744495	MBOVPG45_RS03220			A>G

NC_014760	744536	MBOVPG45_RS03220			A>G
NC_014760	744545	MBOVPG45_RS03220			C>T
NC_014760	744726	MBOVPG45_RS03220			G>A
NC_014760	744739	MBOVPG45_RS03220			T>A
NC_014760	744754	MBOVPG45_RS03220			G>T
NC_014760	745757	MBOVPG45_RS03225			AC>GT
NC_014760	745764	MBOVPG45_RS03225			G>T
NC_014760	745780	MBOVPG45_RS03225			AT>GC
NC_014760	745790	MBOVPG45_RS03225			A>G
NC_014760	745794	MBOVPG45_RS03225			TA>AT
NC_014760	745826	MBOVPG45_RS03225			G>A
NC_014760	745868	MBOVPG45_RS03225			C>A
NC_014760	745877	MBOVPG45_RS03225			A>G
NC_014760	745902	MBOVPG45_RS03225			A>T
NC_014760	745930	MBOVPG45_RS03225			T>C
NC_014760	745997	MBOVPG45_RS03225			A>G
NC_014760	746021	MBOVPG45_RS03225			C>G
NC_014760	746047	MBOVPG45_RS03225			A>G
NC_014760	746049	MBOVPG45_RS03225			A>T
NC_014760	746080	MBOVPG45_RS03225			G>A
NC_014760	746086	MBOVPG45_RS03225			A>G
NC_014760	746150	MBOVPG45_RS03225			T>A
NC_014760	746206	MBOVPG45_RS03225			A>C
NC_014760	746213	MBOVPG45_RS03225			G>A
NC_014760	746224	MBOVPG45_RS03225			- > ins AATCGT
NC_014760	746227	MBOVPG45_RS03225			T>C
NC_014760	746243	MBOVPG45_RS03225			AG>GA
NC_014760	746246	MBOVPG45_RS03225			GA>AC
NC_014760	746251	MBOVPG45_RS03225			C>A
NC_014760	746253	MBOVPG45_RS03225			A>T
NC_014760	746327	MBOVPG45_RS03225			A>G
NC_014760	746331	MBOVPG45_RS03225			A>T
NC_014760	747240	MBOVPG45_RS03230			AC>GT
NC_014760	747247	MBOVPG45_RS03230			G>T
NC_014760	747252	MBOVPG45_RS03230			C>T
NC_014760	747263	MBOVPG45_RS03230			A>G
NC_014760	747273	MBOVPG45_RS03230			A>G
NC_014760	747325	MBOVPG45_RS03230			A>T
NC_014760	747385	MBOVPG45_RS03230			A>T
NC_014760	747420	MBOVPG45_RS03230			G>A
NC_014760	747431	MBOVPG45_RS03230			C>G
NC_014760	747444	MBOVPG45_RS03230			C>T
NC_014760	747456	MBOVPG45_RS03230			A>G
NC_014760	747471	MBOVPG45_RS03230			C>A
NC_014760	747480	MBOVPG45_RS03230			A>G
NC_014760	747504	MBOVPG45_RS03230			C>G
NC_014760	747633	MBOVPG45_RS03230			T>A

NC_014760	747689	MBOVPG45_RS03230			A>C
NC_014760	747696	MBOVPG45_RS03230			G>A
NC_014760	747707	MBOVPG45_RS03230			- > ins AATCGT
NC_014760	747710	MBOVPG45_RS03230			T>C
NC_014760	747730	MBOVPG45_RS03230			A>C
NC_014760	747741	MBOVPG45_RS03230			A>T
NC_014760	747810	MBOVPG45_RS03230			A>G
NC_014760	747814	MBOVPG45_RS03230			A>T
NC_014760	749051	prs			T>G
NC_014760	749061	rsmG (pseudo), prs			G>C
NC_014760	751100	MBOVPG45_RS03260			TG>CA
NC_014760	751138	MBOVPG45_RS03260			T>A
NC_014760	751487	MBOVPG45_RS03260			C>T
NC_014760	751600	MBOVPG45_RS03260			TT>GC
NC_014760	752783	dcm			C>T
NC_014760	752808	dcm			T>A
NC_014760	752824	dcm			G>A
NC_014760	753684	MBOVPG45_RS03275			C>T
NC_014760	753796	MBOVPG45_RS03275			C>T
NC_014760	753856	MBOVPG45_RS03275		C>T	
NC_014760	754072	MBOVPG45_RS03275			A>G
NC_014760	754116	MBOVPG45_RS03275			T>C
NC_014760	754547	MBOVPG45_RS03280			C>T
NC_014760	754796	MBOVPG45_RS03280			A>T
NC_014760	756247	MBOVPG45_RS03285			T>C
NC_014760	756346	MBOVPG45_RS03285			C>T
NC_014760	756353	MBOVPG45_RS03285			C>T
NC_014760	756812	MBOVPG45_RS03285			A>G
NC_014760	757435	parC	MBOVPG45_RS03290		G>A
NC_014760	757465	parC	MBOVPG45_RS03290		T>G
NC_014760	757589	parC	MBOVPG45_RS03290		A>C
NC_014760	757655	parC	MBOVPG45_RS03290		T>C
NC_014760	757712	parC	MBOVPG45_RS03290		G>A
NC_014760	757738	parC	MBOVPG45_RS03290		G>C
NC_014760	757769	parC	MBOVPG45_RS03290		T>C
NC_014760	757843	parC	MBOVPG45_RS03290		C>T
NC_014760	758012	parC	MBOVPG45_RS03290	T>C	T>C

NC_014760	758282	parC	MBOVPG45_RS03290		A>T
NC_014760	758406	parC	MBOVPG45_RS03290		A>T
NC_014760	758594	parC	MBOVPG45_RS03290		GT>AC
NC_014760	758717	parC	MBOVPG45_RS03290		T>C
NC_014760	758798	parC	MBOVPG45_RS03290		T>C
NC_014760	758804	parC	MBOVPG45_RS03290		A>G
NC_014760	759116	parC	MBOVPG45_RS03290		C>T
NC_014760	759227	parC	MBOVPG45_RS03290		G>A
NC_014760	759293	parC	MBOVPG45_RS03290		T>G
NC_014760	759886	parC	MBOVPG45_RS03290		T>C
NC_014760	760101	parE			TA>CG
NC_014760	760244	parE			G>C
NC_014760	761359	parE			T>C
NC_014760	761454	parE			T>C
NC_014760	762108	MBOVPG45_RS03300			C>T
NC_014760	763025	MBOVPG45_RS03300			C>T
NC_014760	763284	MBOVPG45_RS03300			A>C
NC_014760	764252	rsmD			G>A
NC_014760	764720	MBOVPG45_RS03315			T>C
NC_014760	764742	MBOVPG45_RS03315			T>G
NC_014760	764751	MBOVPG45_RS03315			A>G
NC_014760	764821	MBOVPG45_RS03315			C>T
NC_014760	764833	MBOVPG45_RS03315			T>C
NC_014760	764842	MBOVPG45_RS03315			C>T
NC_014760	764863	MBOVPG45_RS03315			T>C
NC_014760	765370	MBOVPG45_RS03315			T>C
NC_014760	765374	MBOVPG45_RS03315			C>T
NC_014760	765438	MBOVPG45_RS03315			A>G
NC_014760	765831	MBOVPG45_RS03320			T>A
NC_014760	766476	MBOVPG45_RS03320		C>T	
NC_014760	766908	MBOVPG45_RS03320			A>G
NC_014760	766974	MBOVPG45_RS03320			A>G
NC_014760	767058	MBOVPG45_RS03320		C>T	C>T
NC_014760	767941	MBOVPG45_RS03325			G>A
NC_014760	768041	mnmg			A>C
NC_014760	768246	mnmg			A>G
NC_014760	768374	mnmg			A>G

NC_014760	768840	mnmg			C>T
NC_014760	769402	mnmg			A>C
NC_014760	769410	mnmg			TG>CA
NC_014760	772736	MBOVPG45_RS03345			T>A
NC_014760	772745	MBOVPG45_RS03345			A>C
NC_014760	772837	MBOVPG45_RS03345			G>C
NC_014760	772864	MBOVPG45_RS03345			G>A
NC_014760	772902	MBOVPG45_RS03345			G>A
NC_014760	772980	MBOVPG45_RS03345			T>A
NC_014760	773025	MBOVPG45_RS03345			A>G
NC_014760	773157	MBOVPG45_RS03345			G>A
NC_014760	773193	MBOVPG45_RS03345			A>G
NC_014760	773244	MBOVPG45_RS03345			T>G
NC_014760	773281	MBOVPG45_RS03345			A>G
NC_014760	773386	MBOVPG45_RS03345		- > ins A	
NC_014760	773818	MBOVPG45_RS03345			C>T
NC_014760	773820	MBOVPG45_RS03345			T>G
NC_014760	773826	MBOVPG45_RS03345			C>T
NC_014760	773847	MBOVPG45_RS03345			C>G
NC_014760	773853	MBOVPG45_RS03345			A>T
NC_014760	773986	MBOVPG45_RS03345			A>C
NC_014760	773989	MBOVPG45_RS03345			A>G
NC_014760	774226	MBOVPG45_RS03345			A>G
NC_014760	774230	MBOVPG45_RS03345			A>G
NC_014760	774291	MBOVPG45_RS03345			G>A
NC_014760	774357	MBOVPG45_RS03345			AT>GC
NC_014760	774539	MBOVPG45_RS03345			C>G
NC_014760	774540	MBOVPG45_RS03345			G>C
NC_014760	774671	MBOVPG45_RS03350			T>C
NC_014760	774743	MBOVPG45_RS03350			A>G
NC_014760	774977	MBOVPG45_RS03350			G>A
NC_014760	775004	MBOVPG45_RS03350			G>A
NC_014760	775089	MBOVPG45_RS03350			T>C
NC_014760	775129	MBOVPG45_RS03350			AC>TT
NC_014760	775262	MBOVPG45_RS03350			T>G
NC_014760	775399	MBOVPG45_RS03350			G>T
NC_014760	775641	MBOVPG45_RS03350			T>A
NC_014760	775897	MBOVPG45_RS03350			A>T
NC_014760	775902	MBOVPG45_RS03350			G>A
NC_014760	776724	MBOVPG45_RS03360			C>G
NC_014760	776846	MBOVPG45_RS03360			G>A
NC_014760	777040	MBOVPG45_RS03360			GC>TG
NC_014760	777239	MBOVPG45_RS03360			G>A
NC_014760	777261	MBOVPG45_RS03360			T>G
NC_014760	777314	MBOVPG45_RS03360			T>A
NC_014760	777455	MBOVPG45_RS03360			G>A
NC_014760	777584	MBOVPG45_RS03360			G>A

NC_014760	777660	MBOVPG45_RS03360			G>A
NC_014760	777706	MBOVPG45_RS03360			TG>CA
NC_014760	777821	MBOVPG45_RS03360			AA>GG
NC_014760	777842	MBOVPG45_RS03360			A>G
NC_014760	777882	MBOVPG45_RS03360			A>T
NC_014760	778219	MBOVPG45_RS03365			C>T
NC_014760	778351	MBOVPG45_RS03365			G>A
NC_014760	778461	MBOVPG45_RS03365			A>G
NC_014760	778638	MBOVPG45_RS03365			G>T
NC_014760	778656	MBOVPG45_RS03365			G>A
NC_014760	778669	MBOVPG45_RS03365			C>T
NC_014760	778912	MBOVPG45_RS03365			C>T
NC_014760	778917	MBOVPG45_RS03365			- > ins TTT
NC_014760	778944	MBOVPG45_RS03365			GT>AA
NC_014760	779074	MBOVPG45_RS03365			T>C
NC_014760	779101	MBOVPG45_RS03365			C>T
NC_014760	779213	MBOVPG45_RS03365			T>C
NC_014760	779393	MBOVPG45_RS03365			A>C
NC_014760	779403	MBOVPG45_RS03365			C>T
NC_014760	779442	MBOVPG45_RS03365			G>T
NC_014760	779448	MBOVPG45_RS03365			A>G
NC_014760	779454	MBOVPG45_RS03365			T>G
NC_014760	779470	MBOVPG45_RS03365			C>G
NC_014760	779477	MBOVPG45_RS03365			TA>TT
NC_014760	779542	MBOVPG45_RS03365			C>T
NC_014760	779620	MBOVPG45_RS03365			A>T
NC_014760	779784	MBOVPG45_RS03365			T>A
NC_014760	779806	MBOVPG45_RS03365			CA>TG
NC_014760	779868	MBOVPG45_RS03365			G>T
NC_014760	779880	MBOVPG45_RS03365			T>G
NC_014760	780828	MBOVPG45_RS03375			C>T
NC_014760	780846	MBOVPG45_RS03375			G>T
NC_014760	780957	MBOVPG45_RS03375			T > del 1
NC_014760	780973	MBOVPG45_RS03375			T>A
NC_014760	781029	MBOVPG45_RS03375			G>A
NC_014760	781040	MBOVPG45_RS03375			AG>CT
NC_014760	781089	MBOVPG45_RS03375			A>C
NC_014760	783032	MBOVPG45_RS03375			CT>AC
NC_014760	783101	MBOVPG45_RS03380, MBOVPG45_RS03375			A>G
NC_014760	783151	MBOVPG45_RS03380			G>A
NC_014760	783503	MBOVPG45_RS03380			A>G
NC_014760	783605	MBOVPG45_RS03380			C>A
NC_014760	783629	MBOVPG45_RS03380			A>G
NC_014760	783639	MBOVPG45_RS03380			G>A
NC_014760	783827	MBOVPG45_RS03380			G>A
NC_014760	783885	MBOVPG45_RS03380			C>G

NC_014760	784226	MBOVPG45_RS03380			G>A
NC_014760	784317	MBOVPG45_RS03380			G>A
NC_014760	784428	MBOVPG45_RS03380			A>C
NC_014760	784442	MBOVPG45_RS03380			C>T
NC_014760	784460	MBOVPG45_RS03380			C>A
NC_014760	785098	dnaE			G>A
NC_014760	785455	dnaE			A>G
NC_014760	785620	dnaE			G>A
NC_014760	785746	dnaE			A>C
NC_014760	785806	dnaE			G>A
NC_014760	786067	dnaE			A>G
NC_014760	786405	dnaE		G>T	
NC_014760	786551	dnaE			A>G
NC_014760	786573	dnaE			G>C
NC_014760	786720	dnaE			A>T
NC_014760	786749	dnaE			G>A
NC_014760	787120	dnaE			T>G
NC_014760	787335	dnaE			CG>TC
NC_014760	787452	dnaE			AT>GG
NC_014760	787694	dnaE			A>G
NC_014760	787750	dnaE			G>T
NC_014760	788183	MBOVPG45_RS03390			A>G
NC_014760	788324	MBOVPG45_RS03390			A>G
NC_014760	788729	MBOVPG45_RS03390			G>A
NC_014760	788790	MBOVPG45_RS03390			AT>GC
NC_014760	789498	MBOVPG45_RS03395			T>C
NC_014760	790668	MBOVPG45_RS03395			G>A
NC_014760	791109	MBOVPG45_RS03400			C>A
NC_014760	791132	MBOVPG45_RS03400			C>G
NC_014760	791246	MBOVPG45_RS03400			C>T
NC_014760	791339	MBOVPG45_RS03400			C>T
NC_014760	791365	MBOVPG45_RS03400			C>T
NC_014760	791627	MBOVPG45_RS03400			G>T
NC_014760	791726	MBOVPG45_RS03400			A>G
NC_014760	791734	MBOVPG45_RS03400			T>C
NC_014760	792210	MBOVPG45_RS03400			T>A
NC_014760	792669	MBOVPG45_RS03400			A>C
NC_014760	792775	MBOVPG45_RS03400			A>T
NC_014760	796785	MBOVPG45_RS03420			A>G
NC_014760	796863	MBOVPG45_RS03420			G>A
NC_014760	796909	MBOVPG45_RS03420			G>A
NC_014760	796951	MBOVPG45_RS03420			G>T
NC_014760	797016	MBOVPG45_RS03420			T>C
NC_014760	797293	MBOVPG45_RS03420			C>A
NC_014760	798146	MBOVPG45_RS03425			A>G
NC_014760	802899	MBOVPG45_RS03450			A>G
NC_014760	803344	MBOVPG45_RS03450			A>G

NC_014760	803677	MBOVPG45_RS03450			G>A
NC_014760	805063	MBOVPG45_RS03465			C>T
NC_014760	805174	MBOVPG45_RS03465			C>T
NC_014760	805478	MBOVPG45_RS03465			T>A
NC_014760	805626	MBOVPG45_RS03465			A>G
NC_014760	806434	MBOVPG45_RS03470			T>C
NC_014760	806664	MBOVPG45_RS03470			A>T
NC_014760	806817	MBOVPG45_RS03470			G>T
NC_014760	806944	MBOVPG45_RS03470			G>A
NC_014760	807584	MBOVPG45_RS03470			C>T
NC_014760	807895	MBOVPG45_RS03470			AT>TG
NC_014760	808377	MBOVPG45_RS03475			AT>GC
NC_014760	808476	MBOVPG45_RS03475			C>A
NC_014760	808485	MBOVPG45_RS03475			T>C
NC_014760	808514	MBOVPG45_RS03475			T>A
NC_014760	808531	MBOVPG45_RS03475			G>A
NC_014760	808570	MBOVPG45_RS03475			TC>CT
NC_014760	808609	MBOVPG45_RS03475			T>C
NC_014760	808620	MBOVPG45_RS03475			C>T
NC_014760	808654	MBOVPG45_RS03475			C>T
NC_014760	808831	MBOVPG45_RS03475			T>C
NC_014760	808885	MBOVPG45_RS03475			T>A
NC_014760	808936	MBOVPG45_RS03475			C>T
NC_014760	809043	MBOVPG45_RS03475			T>C
NC_014760	809089	MBOVPG45_RS03475			C>T
NC_014760	809134	MBOVPG45_RS03475			T>C
NC_014760	809137	MBOVPG45_RS03475			A>C
NC_014760	809191	MBOVPG45_RS03475			T>C
NC_014760	809214	MBOVPG45_RS03475			C>T
NC_014760	809230	MBOVPG45_RS03475			T>C
NC_014760	809255	MBOVPG45_RS03475			A>T
NC_014760	809302	MBOVPG45_RS03475			A>T
NC_014760	809311	MBOVPG45_RS03475			T>C
NC_014760	809329	MBOVPG45_RS03475			A>C
NC_014760	809380	MBOVPG45_RS03475			A>G
NC_014760	809395	MBOVPG45_RS03475			T>C
NC_014760	809611	MBOVPG45_RS03475			T>C
NC_014760	810822	MBOVPG45_RS03485			G>A
NC_014760	810994	MBOVPG45_RS03485			A>G
NC_014760	811003	MBOVPG45_RS03485			TG>CA
NC_014760	811175	MBOVPG45_RS03485			TC>CT
NC_014760	811225	MBOVPG45_RS03485			C>T
NC_014760	811273	MBOVPG45_RS03485			T>C
NC_014760	811289	MBOVPG45_RS03485			T>C
NC_014760	811333	MBOVPG45_RS03485			G>A
NC_014760	811458	MBOVPG45_RS03485			C>T
NC_014760	811527	MBOVPG45_RS03485			A>G

NC_014760	812080	MBOVPG45_RS03490			G>A
NC_014760	814940	MBOVPG45_RS03500			T>G
NC_014760	815009	MBOVPG45_RS03500			CA>TC
NC_014760	817549	MBOVPG45_RS03500		A>G	
NC_014760	817734	MBOVPG45_RS03500			C>A
NC_014760	817739	MBOVPG45_RS03500			T>C
NC_014760	817788	MBOVPG45_RS03500			T>A
NC_014760	817923	MBOVPG45_RS03500			A>T
NC_014760	818027	MBOVPG45_RS03500			C>T
NC_014760	818176	MBOVPG45_RS03500			C>T
NC_014760	818180	MBOVPG45_RS03500			T>C
NC_014760	818216	MBOVPG45_RS03500			T>C
NC_014760	818351	MBOVPG45_RS03500			C>T
NC_014760	818359	MBOVPG45_RS03500			T>C
NC_014760	818636	MBOVPG45_RS03500			T>C
NC_014760	818699	MBOVPG45_RS03500			T>C
NC_014760	818876	MBOVPG45_RS03500			TAT>CTC
NC_014760	818957	MBOVPG45_RS03500			A>C
NC_014760	819110	MBOVPG45_RS03500			T>C
NC_014760	819124	MBOVPG45_RS03500			G>A
NC_014760	819165	MBOVPG45_RS03500			T>A
NC_014760	819167	MBOVPG45_RS03500			G>A
NC_014760	819212	MBOVPG45_RS03500			T>C
NC_014760	819279	MBOVPG45_RS03500			G>T
NC_014760	819281	MBOVPG45_RS03500			T>C
NC_014760	819286	MBOVPG45_RS03500			T>C
NC_014760	819518	MBOVPG45_RS03500			T>C
NC_014760	819521	MBOVPG45_RS03500			A>G
NC_014760	819551	MBOVPG45_RS03500			T>G
NC_014760	819554	MBOVPG45_RS03500			C>T
NC_014760	819837	MBOVPG45_RS03500			A>T
NC_014760	819980	MBOVPG45_RS03500			TA>AG
NC_014760	820025	MBOVPG45_RS03500			T>G
NC_014760	820094	MBOVPG45_RS03500			A>T
NC_014760	820124	MBOVPG45_RS03500			C>T
NC_014760	820232	MBOVPG45_RS03500			C>T
NC_014760	820561	MBOVPG45_RS03500			A>G
NC_014760	820686	MBOVPG45_RS03500			C>A
NC_014760	820754	MBOVPG45_RS03500			T>C
NC_014760	820760	MBOVPG45_RS03500			T>G
NC_014760	820792	MBOVPG45_RS03500			T>A
NC_014760	820929	MBOVPG45_RS03500			A>C
NC_014760	820976	MBOVPG45_RS03500			T>C
NC_014760	821037	MBOVPG45_RS03500			T>G
NC_014760	821090	MBOVPG45_RS03500			C>T
NC_014760	821131	MBOVPG45_RS03500			A>G
NC_014760	821333	MBOVPG45_RS03500			C>T

NC_014760	821339	MBOVPG45_RS03500			T>G
NC_014760	821444	MBOVPG45_RS03500			G>A
NC_014760	821599	MBOVPG45_RS03500			G>A
NC_014760	821630	MBOVPG45_RS03500			CA>AT
NC_014760	821980	MBOVPG45_RS03500			C>T
NC_014760	822023	MBOVPG45_RS03500			A>C
NC_014760	822044	MBOVPG45_RS03500			T>C
NC_014760	822051	MBOVPG45_RS03500			A>T
NC_014760	822065	MBOVPG45_RS03500			G>C
NC_014760	822078	MBOVPG45_RS03500			A>T
NC_014760	822160	MBOVPG45_RS03500			T>C
NC_014760	822377	MBOVPG45_RS03500			T>A
NC_014760	826479	rpoC			C>T
NC_014760	830647	MBOVPG45_RS03510			T>C
NC_014760	831335	MBOVPG45_RS03515			AA>GG
NC_014760	831344	MBOVPG45_RS03515			G>T
NC_014760	831422	MBOVPG45_RS03515			G>A
NC_014760	832675	MBOVPG45_RS03525			A>G
NC_014760	832862	MBOVPG45_RS03525			A>C
NC_014760	833816	MBOVPG45_RS03530			A>G
NC_014760	833936	MBOVPG45_RS03530			G>T
NC_014760	833992	MBOVPG45_RS03530			A>G
NC_014760	834059	MBOVPG45_RS03530			A>G
NC_014760	834110	MBOVPG45_RS03530			A>G
NC_014760	834722	lysS			A>G
NC_014760	835100	lysS			T>C
NC_014760	835161	lysS			G>A
NC_014760	835897	MBOVPG45_RS03540			C>A
NC_014760	836023	MBOVPG45_RS03540			A>G
NC_014760	836284	MBOVPG45_RS03540			GCC>AGT
NC_014760	836508	MBOVPG45_RS03540			CG>TA
NC_014760	836599	MBOVPG45_RS03540			A>T
NC_014760	836611	MBOVPG45_RS03540			G>C
NC_014760	836887	MBOVPG45_RS03545			T>C
NC_014760	836970	MBOVPG45_RS03545			G>A
NC_014760	837576	MBOVPG45_RS03545			G>T
NC_014760	837813	MBOVPG45_RS03545			T>C
NC_014760	837877	MBOVPG45_RS03545			C>T
NC_014760	837916	MBOVPG45_RS03545			T>C
NC_014760	838455	MBOVPG45_RS03545			G>A
NC_014760	838869	MBOVPG45_RS03545			T>C
NC_014760	839138	MBOVPG45_RS03550			G>A
NC_014760	840182	MBOVPG45_RS03550			A>G
NC_014760	840434	MBOVPG45_RS03550			T>C
NC_014760	840918	MBOVPG45_RS03550			T>A
NC_014760	840993	MBOVPG45_RS03550			CA>AC
NC_014760	843830	MBOVPG45_RS03560		G>A	

NC_014760	846198	rpsP			AT>GC
NC_014760	846201	rpsP			G>A
NC_014760	847407	fmt			TTAGTATTC > del 9
NC_014760	847477	fmt			TG>AA
NC_014760	847760	fmt			A>G
NC_014760	847842	fmt			T>C
NC_014760	848393	MBOVPG45_RS03590			C>A
NC_014760	848426	MBOVPG45_RS03590			A>G
NC_014760	848551	MBOVPG45_RS03590			T>G
NC_014760	848639	MBOVPG45_RS03590			A>G
NC_014760	848668	MBOVPG45_RS03590			G>T
NC_014760	848747	MBOVPG45_RS03590			A>T
NC_014760	848835	MBOVPG45_RS03590			G>A
NC_014760	849064	MBOVPG45_RS03590			G>A
NC_014760	849300	MBOVPG45_RS03590			AG>GA
NC_014760	849304	MBOVPG45_RS03590			TTG>ACC
NC_014760	849308	MBOVPG45_RS03590			C>T
NC_014760	849495	MBOVPG45_RS03590			T>A
NC_014760	849569	MBOVPG45_RS03590			A>G
NC_014760	849618	MBOVPG45_RS03590			T>G
NC_014760	849691	MBOVPG45_RS03590			G>T
NC_014760	849858	MBOVPG45_RS03590			CA>TG
NC_014760	850069	MBOVPG45_RS03590			G>A
NC_014760	850162	MBOVPG45_RS03590			G>T
NC_014760	850180	MBOVPG45_RS03590			A>G
NC_014760	850273	MBOVPG45_RS03590			A>G
NC_014760	850282	MBOVPG45_RS03590			A>C
NC_014760	850284	MBOVPG45_RS03590			C>A
NC_014760	850840	MBOVPG45_RS03590			AA>GG
NC_014760	851190	MBOVPG45_RS03590			G>C
NC_014760	851192	MBOVPG45_RS03590			A>T
NC_014760	851233	MBOVPG45_RS03590			T>A
NC_014760	851236	MBOVPG45_RS03590			A>G
NC_014760	851272	MBOVPG45_RS03590			A>G
NC_014760	851558	ptsP			T>C
NC_014760	851830	ptsP			T>C
NC_014760	852125	ptsP			G>C
NC_014760	852256	ptsP			A>G
NC_014760	852347	ptsP			T>C
NC_014760	852655	ptsP			C>T
NC_014760	852983	ptsP			A>G
NC_014760	853121	MBOVPG45_RS03600		A > del 1	
NC_014760	853237	MBOVPG45_RS03600			AG>GA
NC_014760	853967	MBOVPG45_RS03600			G>A
NC_014760	854021	MBOVPG45_RS03605			CA>TG
NC_014760	854164	MBOVPG45_RS03605			T>C

NC_014760	854276	MBOVPG45_RS03605			T>C
NC_014760	854467	MBOVPG45_RS03605			C>T
NC_014760	854531	araD			A>T
NC_014760	855274	MBOVPG45_RS03615			A>C
NC_014760	855802	MBOVPG45_RS03615			A>C
NC_014760	855890	MBOVPG45_RS03615			C>T
NC_014760	855920	MBOVPG45_RS03615			T>C
NC_014760	856260	MBOVPG45_RS03620			T>C
NC_014760	856366	MBOVPG45_RS03620			TG>CA
NC_014760	856575	MBOVPG45_RS03620			G>T
NC_014760	856957	MBOVPG45_RS03625			G>A
NC_014760	858957	MBOVPG45_RS03635			A>C
NC_014760	860078	MBOVPG45_RS03640			C>A
NC_014760	860963	MBOVPG45_RS03645			A>G
NC_014760	861180	MBOVPG45_RS03645			A>G
NC_014760	861225	MBOVPG45_RS03645			A>G
NC_014760	861316	MBOVPG45_RS03645			A>G
NC_014760	861423	MBOVPG45_RS03645			C>G
NC_014760	861444	MBOVPG45_RS03645			T>A
NC_014760	861982	MBOVPG45_RS03650			T > del 1
NC_014760	862036	MBOVPG45_RS03650			A>G
NC_014760	862054	MBOVPG45_RS03650			T>C
NC_014760	862065	MBOVPG45_RS03650			A>T
NC_014760	862076	MBOVPG45_RS03650			C>T
NC_014760	862079	MBOVPG45_RS03650			C>A
NC_014760	862082	MBOVPG45_RS03650			T>A
NC_014760	862088	MBOVPG45_RS03650			G>A
NC_014760	862107	MBOVPG45_RS03650			T>G
NC_014760	862525	MBOVPG45_RS03650			G>T
NC_014760	862609	MBOVPG45_RS03650			A>T
NC_014760	862657	MBOVPG45_RS03650			C>G
NC_014760	862854	MBOVPG45_RS04565			AG > del 2
NC_014760	862890	MBOVPG45_RS04565			C>T
NC_014760	862893	MBOVPG45_RS04565			A>C
NC_014760	862923	MBOVPG45_RS04565			T>C
NC_014760	862928	MBOVPG45_RS04565			C>T
NC_014760	863158	MBOVPG45_RS03655			T>C
NC_014760	863249	MBOVPG45_RS03655			A>C
NC_014760	863267	MBOVPG45_RS03655			TT>TA
NC_014760	863293	MBOVPG45_RS03655			T>G
NC_014760	863311	MBOVPG45_RS03655			T>A
NC_014760	863341	MBOVPG45_RS03655			T>C
NC_014760	863345	MBOVPG45_RS03655			T>A
NC_014760	863386	MBOVPG45_RS03655			A>T
NC_014760	863406	MBOVPG45_RS03655			G>T
NC_014760	863408	MBOVPG45_RS03655			C>G
NC_014760	863416	MBOVPG45_RS03655			T>G

NC_014760	863421	MBOVPG45_RS03655			A>T
NC_014760	863437	MBOVPG45_RS03655			A>G
NC_014760	863462	MBOVPG45_RS03655			T>C
NC_014760	863487	MBOVPG45_RS03655			T>A
NC_014760	863535	MBOVPG45_RS03655			AT>TG
NC_014760	863546	MBOVPG45_RS03655			T>C
NC_014760	863607	MBOVPG45_RS03655			T>A
NC_014760	863612	MBOVPG45_RS03655			T>A
NC_014760	863620	MBOVPG45_RS03655			C>T
NC_014760	863684	MBOVPG45_RS03655			C>T
NC_014760	863689	MBOVPG45_RS03655			TC>GT
NC_014760	863741	MBOVPG45_RS03655			G>C
NC_014760	863764	MBOVPG45_RS03655			A>C
NC_014760	863774	MBOVPG45_RS03655			C>T
NC_014760	863839	MBOVPG45_RS03655			A>G
NC_014760	863869	MBOVPG45_RS03655			A>T
NC_014760	863949	MBOVPG45_RS03655			G>T
NC_014760	863960	MBOVPG45_RS03655			T>C
NC_014760	864006	MBOVPG45_RS03655			C>A
NC_014760	864018	MBOVPG45_RS03655			A>T
NC_014760	864022	MBOVPG45_RS03655			G>T
NC_014760	864032	MBOVPG45_RS03655			A>C
NC_014760	864038	MBOVPG45_RS03655			C>T
NC_014760	864116	MBOVPG45_RS03655			TA>CC
NC_014760	864315	MBOVPG45_RS03660		- > ins G	
NC_014760	864316	MBOVPG45_RS03660			G > del 1
NC_014760	864457	MBOVPG45_RS03660			A>G
NC_014760	864948	MBOVPG45_RS03665			A>G
NC_014760	864991	MBOVPG45_RS03665			T>A
NC_014760	865375	MBOVPG45_RS03665			GG>AA
NC_014760	865436	MBOVPG45_RS03665			A>G
NC_014760	865652	MBOVPG45_RS03665			A>G
NC_014760	865771	MBOVPG45_RS03665			AGG>GAA
NC_014760	865893	MBOVPG45_RS04450			C>T
NC_014760	866203	MBOVPG45_RS04450		- > ins G	
NC_014760	866204	MBOVPG45_RS04450			GG > del 2
NC_014760	866317	MBOVPG45_RS04570			T>A
NC_014760	867221	MBOVPG45_RS04575			C>T
NC_014760	867320	MBOVPG45_RS04575			A>G
NC_014760	867375	MBOVPG45_RS04575			T>C
NC_014760	867385	MBOVPG45_RS04575			G>A
NC_014760	867510	MBOVPG45_RS04575			GG>AA
NC_014760	870763	MBOVPG45_RS03695			C>T
NC_014760	871183	MBOVPG45_RS03700			T>C
NC_014760	871186	MBOVPG45_RS03700			C>T
NC_014760	871250	MBOVPG45_RS03700			T>A
NC_014760	871408	MBOVPG45_RS03700			C>T

NC_014760	871452	MBOVPG45_RS03700			T>A
NC_014760	871456	MBOVPG45_RS03700			T>G
NC_014760	871561	MBOVPG45_RS03700			CT>TG
NC_014760	871591	MBOVPG45_RS03700			T>C
NC_014760	871667	MBOVPG45_RS03700			T>C
NC_014760	872162	MBOVPG45_RS03700			G>T
NC_014760	872171	MBOVPG45_RS03700			T>C
NC_014760	872180	MBOVPG45_RS03700			GT>CA
NC_014760	872231	MBOVPG45_RS03700			T>G
NC_014760	872236	MBOVPG45_RS03700			T>C
NC_014760	872259	MBOVPG45_RS03700			T>G
NC_014760	872263	MBOVPG45_RS03700			TT>CC
NC_014760	872266	MBOVPG45_RS03700			G>T
NC_014760	872276	MBOVPG45_RS03700			C>T
NC_014760	872352	MBOVPG45_RS03700			T>G
NC_014760	872358	MBOVPG45_RS03700			A>C
NC_014760	872363	MBOVPG45_RS03700			C>T
NC_014760	872390	MBOVPG45_RS03700			T>C
NC_014760	872485	MBOVPG45_RS03700			T>C
NC_014760	872540	MBOVPG45_RS03700			TA>CT
NC_014760	872587	MBOVPG45_RS03700			G>T
NC_014760	872633	MBOVPG45_RS03700			C>T
NC_014760	872819	MBOVPG45_RS03700			C>T
NC_014760	872826	MBOVPG45_RS03700			T>A
NC_014760	872930	MBOVPG45_RS03700			T>C
NC_014760	872966	MBOVPG45_RS03700			A>T
NC_014760	873133	MBOVPG45_RS03705			A>T
NC_014760	873543	MBOVPG45_RS03705			T>C
NC_014760	873556	MBOVPG45_RS03705			TC>GT
NC_014760	873623	MBOVPG45_RS03705			C>T
NC_014760	873663	MBOVPG45_RS03705			G>A
NC_014760	873827	MBOVPG45_RS03705			T>A
NC_014760	873886	MBOVPG45_RS03710			C>T
NC_014760	876432	MBOVPG45_RS03720			C>T
NC_014760	876612	MBOVPG45_RS03720			T>C
NC_014760	876666	MBOVPG45_RS03720			T>G
NC_014760	876790	MBOVPG45_RS03720			G>T
NC_014760	876811	MBOVPG45_RS03720			T>G
NC_014760	877216	MBOVPG45_RS03720			C>T
NC_014760	877222	MBOVPG45_RS03720			T>A
NC_014760	877226	MBOVPG45_RS03720			A>T
NC_014760	877515	MBOVPG45_RS03720			G>A
NC_014760	877522	MBOVPG45_RS03720			A>T
NC_014760	877567	MBOVPG45_RS03720			C>T
NC_014760	877843	MBOVPG45_RS03720			TC>CT
NC_014760	877851	MBOVPG45_RS03720			TT>CC
NC_014760	877855	MBOVPG45_RS03720			T>C

NC_014760	878034	MBOVPG45_RS03720			T>C
NC_014760	878121	MBOVPG45_RS03720			T>C
NC_014760	878193	MBOVPG45_RS03720			C>T
NC_014760	878208	MBOVPG45_RS03720			TT>CG
NC_014760	878383	MBOVPG45_RS03720			A>C
NC_014760	878624	MBOVPG45_RS03720			AC>TT
NC_014760	878796	MBOVPG45_RS03720			A>T
NC_014760	878853	MBOVPG45_RS03720			C>T
NC_014760	878886	MBOVPG45_RS03720			T>C
NC_014760	878897	MBOVPG45_RS03720			T>A
NC_014760	878937	MBOVPG45_RS03720			AT>GC
NC_014760	879655	MBOVPG45_RS03725			A>T
NC_014760	879864	MBOVPG45_RS03725			T>C
NC_014760	880184	MBOVPG45_RS03730			C>T
NC_014760	880421	MBOVPG45_RS03730			T>C
NC_014760	880921	nadE			C>T
NC_014760	880963	nadE			C>T
NC_014760	881185	nadE			A>G
NC_014760	881806	MBOVPG45_RS03740			C>T
NC_014760	882225	MBOVPG45_RS03740			A>T
NC_014760	882289	MBOVPG45_RS03740			T>C
NC_014760	882310	MBOVPG45_RS03740			AA>GG
NC_014760	882360	MBOVPG45_RS03740			C>T
NC_014760	882769	MBOVPG45_RS03745			T>C
NC_014760	882791	MBOVPG45_RS03745			T>C
NC_014760	883497	MBOVPG45_RS03745			C>T
NC_014760	883564	MBOVPG45_RS03745			T>G
NC_014760	883839	rlmD			CT>TC
NC_014760	884159	rlmD			T>A
NC_014760	884190	rlmD			T>C
NC_014760	884219	rlmD			C>G
NC_014760	884323	rlmD			A>T
NC_014760	884353	rlmD			A>T
NC_014760	884410	rlmD			T>C
NC_014760	884449	rlmD			C>T
NC_014760	884494	rlmD			C>T
NC_014760	884623	rlmD			C>T
NC_014760	884821	rlmD			A>C
NC_014760	885156	MBOVPG45_RS03755		G>A	
NC_014760	886043	MBOVPG45_RS03760			T>C
NC_014760	886105	MBOVPG45_RS03760			C>T
NC_014760	886205	MBOVPG45_RS03760			C>T
NC_014760	886419	MBOVPG45_RS03760			A>T
NC_014760	887092	MBOVPG45_RS03765			C>T
NC_014760	887209	MBOVPG45_RS03765		T>C	
NC_014760	887211	MBOVPG45_RS03765			A>G
NC_014760	887501	MBOVPG45_RS03765			A>T

NC_014760	887599	MBOVPG45_RS03770			G>A
NC_014760	887784	MBOVPG45_RS03770			GC>AT
NC_014760	887878	MBOVPG45_RS03770			TT>AG
NC_014760	887881	MBOVPG45_RS03770			G>A
NC_014760	887932	MBOVPG45_RS03770			T>C
NC_014760	890617	MBOVPG45_RS03795			C>G
NC_014760	890631	MBOVPG45_RS03795			G>A
NC_014760	890787	MBOVPG45_RS03795			A>C
NC_014760	891013	MBOVPG45_RS03795			A>G
NC_014760	891116	MBOVPG45_RS03795			G>A
NC_014760	891165	MBOVPG45_RS03795			A>G
NC_014760	891348	MBOVPG45_RS03795			A>G
NC_014760	891370	MBOVPG45_RS03795			A>T
NC_014760	891446	MBOVPG45_RS03795			AA>TG
NC_014760	891450	MBOVPG45_RS03795			A>G
NC_014760	891550	MBOVPG45_RS03795			C>A
NC_014760	891887	MBOVPG45_RS03800			C>T
NC_014760	891919	MBOVPG45_RS03800			G>A
NC_014760	891926	MBOVPG45_RS03800			C>T
NC_014760	892442	MBOVPG45_RS03800			C>T
NC_014760	892502	MBOVPG45_RS03800			A>G
NC_014760	892553	MBOVPG45_RS03800			C>T
NC_014760	892589	MBOVPG45_RS03800			A>T
NC_014760	892961	MBOVPG45_RS03800			T>A
NC_014760	896766	MBOVPG45_RS03820			G>T
NC_014760	898026	MBOVPG45_RS03825		T>C	T>C
NC_014760	899288	MBOVPG45_RS03835			G>T
NC_014760	900146	trmB			G>A
NC_014760	900187	trmB			C>T
NC_014760	900244	trmB			C>A
NC_014760	900450	trmB			T>C
NC_014760	901081	MBOVPG45_RS03850			T>A
NC_014760	901211	MBOVPG45_RS03850			G>A
NC_014760	904514	rsml			T>A
NC_014760	904552	rsml			G>A
NC_014760	904581	rsml			A>C
NC_014760	904584	rsml			A>T
NC_014760	904657	rsml			T>C
NC_014760	905196	MBOVPG45_RS03870			T>C
NC_014760	905402	MBOVPG45_RS03870			G>A
NC_014760	905514	MBOVPG45_RS03870			A>G
NC_014760	905540	MBOVPG45_RS03870			A>G
NC_014760	905559	MBOVPG45_RS03870			A>G
NC_014760	905604	MBOVPG45_RS03870			A>T
NC_014760	906098	MBOVPG45_RS03875			C>T
NC_014760	906191	MBOVPG45_RS03875		G>T	
NC_014760	906637	MBOVPG45_RS03875			T>C

NC_014760	906851	recR			T>A
NC_014760	907206	recR			C>T
NC_014760	907225	recR			A>G
NC_014760	907714	dnaX			A>G
NC_014760	907986	dnaX			C>T
NC_014760	908027	dnaX			T>G
NC_014760	908113	dnaX			C>T
NC_014760	908157	dnaX			G>T
NC_014760	908775	dnaX			G>A
NC_014760	911465	MBOVPG45_RS03900			A>G
NC_014760	911480	MBOVPG45_RS03900			C>T
NC_014760	911611	MBOVPG45_RS03900			A>G
NC_014760	911794	MBOVPG45_RS03900			C>A
NC_014760	912118	MBOVPG45_RS03905			A>G
NC_014760	912479	MBOVPG45_RS03905			G>A
NC_014760	912489	MBOVPG45_RS03905			A>T
NC_014760	912665	MBOVPG45_RS03905		A>T	
NC_014760	912735	MBOVPG45_RS03905			A>T
NC_014760	912940	MBOVPG45_RS03905			A>C
NC_014760	913220	MBOVPG45_RS03905			T>C
NC_014760	913396	MBOVPG45_RS03905			G>A
NC_014760	913466	MBOVPG45_RS03905			G>A
NC_014760	913537	MBOVPG45_RS03905			G>A
NC_014760	913679	MBOVPG45_RS03910			A>C
NC_014760	913685	MBOVPG45_RS03910			G>A
NC_014760	913713	MBOVPG45_RS03910			C>T
NC_014760	913788	MBOVPG45_RS03910			A>C
NC_014760	914071	MBOVPG45_RS03910			A>G
NC_014760	914079	MBOVPG45_RS03910			A>G
NC_014760	914085	MBOVPG45_RS03910			T>G
NC_014760	914097	MBOVPG45_RS03910			A>G
NC_014760	914178	MBOVPG45_RS03910			G>A
NC_014760	914296	MBOVPG45_RS03910			A>G
NC_014760	914452	MBOVPG45_RS03910			A>C
NC_014760	914458	MBOVPG45_RS03910			T>A
NC_014760	914797	MBOVPG45_RS03915			C>T
NC_014760	914800	MBOVPG45_RS03915			T>C
NC_014760	914808	MBOVPG45_RS03915			C>G
NC_014760	914848	MBOVPG45_RS03915			A>G
NC_014760	915127	MBOVPG45_RS03915			G>A
NC_014760	915185	MBOVPG45_RS03915			GG>AA
NC_014760	915209	MBOVPG45_RS03915			A>C
NC_014760	915224	MBOVPG45_RS03915			A>T
NC_014760	915257	MBOVPG45_RS03915			T>A
NC_014760	915336	MBOVPG45_RS03915			G>A
NC_014760	915811	MBOVPG45_RS03925			GG>AA
NC_014760	915952	MBOVPG45_RS03925			C>A

NC_014760	916008	MBOVPG45_RS03925			T>A
NC_014760	916526	pgsA			G>A
NC_014760	916566	pgsA			A>G
NC_014760	917577	MBOVPG45_RS03935			T>C
NC_014760	917606	MBOVPG45_RS03935			C>T
NC_014760	918202	MBOVPG45_RS03940			A>G
NC_014760	918256	MBOVPG45_RS03940			A>G
NC_014760	918372	MBOVPG45_RS03940		- > ins TTGT	- > ins TTGT
NC_014760	918571	MBOVPG45_RS03945			C>A
NC_014760	920868	MBOVPG45_RS03955, MBOVPG45_RS03950			C>T
NC_014760	920884	MBOVPG45_RS03955			C>T
NC_014760	921055	MBOVPG45_RS03955			C>T
NC_014760	921262	nusA			A>G
NC_014760	921317	nusA			C>T
NC_014760	921717	nusA			CG>TA
NC_014760	921776	nusA			G>C
NC_014760	921827	nusA			T>C
NC_014760	922250	nusA			T>C
NC_014760	928069	MBOVPG45_RS03990			C>T
NC_014760	929129	MBOVPG45_RS03995			A>T
NC_014760	929308	MBOVPG45_RS03995			T>C
NC_014760	930394	MBOVPG45_RS04005		AG>GC	
NC_014760	930654	MBOVPG45_RS04005			T>C
NC_014760	931489	MBOVPG45_RS04010			G>C
NC_014760	931495	MBOVPG45_RS04010			C>T
NC_014760	931499	MBOVPG45_RS04010			A>T
NC_014760	931501	MBOVPG45_RS04010			C>T
NC_014760	931505	MBOVPG45_RS04010			GTA>TCT
NC_014760	931509	MBOVPG45_RS04010			T>A
NC_014760	931513	MBOVPG45_RS04010			CTA > del 3
NC_014760	931517	MBOVPG45_RS04010			T>A
NC_014760	931519	MBOVPG45_RS04010			TT>CA
NC_014760	931673	MBOVPG45_RS04010		A>T	
NC_014760	931677	MBOVPG45_RS04010		TTTTTGCT > del 8	
NC_014760	931693	MBOVPG45_RS04010		TG>CT	
NC_014760	931700	MBOVPG45_RS04010		TC>AT	
NC_014760	931952	MBOVPG45_RS04010			G>T
NC_014760	931995	MBOVPG45_RS04010			T>C
NC_014760	932093	MBOVPG45_RS04010			C>A
NC_014760	932142	MBOVPG45_RS04010			A>G
NC_014760	934781	MBOVPG45_RS04465		A>G	
NC_014760	934783	MBOVPG45_RS04465		A>C	
NC_014760	934794	MBOVPG45_RS04465			G > del 1
NC_014760	934803	MBOVPG45_RS04465		C>T	
NC_014760	934847	MBOVPG45_RS04465			A>G
NC_014760	934849	MBOVPG45_RS04465			A>C

NC_014760	934869	MBOVPG45_RS04465			C>T
NC_014760	934959	MBOVPG45_RS04465			G > del 1
NC_014760	937718	MBOVPG45_RS04470			TG>CC
NC_014760	937722	MBOVPG45_RS04470			AG>GT
NC_014760	937794	MBOVPG45_RS04470			A>T
NC_014760	938130	MBOVPG45_RS04470			A>T
NC_014760	938269	MBOVPG45_RS04470		AT>TC	
NC_014760	938304	MBOVPG45_RS04470		C>T	
NC_014760	938341	MBOVPG45_RS04470			AT>TC
NC_014760	938447	MBOVPG45_RS04470		TTTTTG > del 6	
NC_014760	938456	MBOVPG45_RS04470		T>A	
NC_014760	938459	MBOVPG45_RS04470		TC>AT	T>C
NC_014760	938683	MBOVPG45_RS04470		A>C	
NC_014760	938737	MBOVPG45_RS04470		T>A	
NC_014760	938740	MBOVPG45_RS04470		A>T	
NC_014760	938809	MBOVPG45_RS04470		T > del 1	
NC_014760	939874	MBOVPG45_RS04050			G>A
NC_014760	940058	MBOVPG45_RS04050			GC>AT
NC_014760	940364	MBOVPG45_RS04055			C>T
NC_014760	940612	MBOVPG45_RS04055			A>T
NC_014760	941162	MBOVPG45_RS04055			T>C
NC_014760	941166	MBOVPG45_RS04055			T>G
NC_014760	942397	MBOVPG45_RS04065			G>A
NC_014760	943606	MBOVPG45_RS04070			T>A
NC_014760	943620	MBOVPG45_RS04070			C>T
NC_014760	943637	MBOVPG45_RS04070			A>T
NC_014760	943665	MBOVPG45_RS04070			- > ins A
NC_014760	943668	MBOVPG45_RS04070			C>A
NC_014760	945959	MBOVPG45_RS04085			G>T
NC_014760	945994	MBOVPG45_RS04085			A>T
NC_014760	946001	MBOVPG45_RS04085			C>T
NC_014760	946084	MBOVPG45_RS04085		- > ins T	
NC_014760	946967	MBOVPG45_RS04090			T>C
NC_014760	947105	MBOVPG45_RS04090			GA>AT
NC_014760	947119	MBOVPG45_RS04090		G>A	
NC_014760	947129	MBOVPG45_RS04090			AT>GA
NC_014760	947191	MBOVPG45_RS04090			A>G
NC_014760	947249	MBOVPG45_RS04090			AT>GA
NC_014760	947369	MBOVPG45_RS04090			GA>AT
NC_014760	949632	MBOVPG45_RS04110			A>G
NC_014760	954349	MBOVPG45_RS04120			G>A
NC_014760	954358	MBOVPG45_RS04120			C>A
NC_014760	954382	MBOVPG45_RS04120			A>G
NC_014760	954426	MBOVPG45_RS04120			G>A
NC_014760	954741	MBOVPG45_RS04120			A>G
NC_014760	954762	MBOVPG45_RS04120			G>A
NC_014760	954862	MBOVPG45_RS04120			C>T

NC_014760	955262	MBOVPG45_RS04120			T>A
NC_014760	955291	MBOVPG45_RS04120			T>C
NC_014760	955295	MBOVPG45_RS04120			T>A
NC_014760	955374	MBOVPG45_RS04125			A>G
NC_014760	955383	MBOVPG45_RS04125			C>T
NC_014760	955396	MBOVPG45_RS04125			G>C
NC_014760	955399	MBOVPG45_RS04125			C>T
NC_014760	955410	MBOVPG45_RS04125			G>A
NC_014760	955420	MBOVPG45_RS04125			T>C
NC_014760	955497	MBOVPG45_RS04125			T>C
NC_014760	955603	MBOVPG45_RS04125			T>C
NC_014760	956001	gatB			T>A
NC_014760	956070	gatB			T>C
NC_014760	956076	gatB			C>T
NC_014760	956269	gatB			T>G
NC_014760	956278	gatB			T>C
NC_014760	956651	gatB			C>A
NC_014760	957002	gatB			A>T
NC_014760	957030	gatB			T>C
NC_014760	957458	gatA			G>T
NC_014760	957656	gatA			T>C
NC_014760	957764	gatA			CA>TG
NC_014760	957899	gatA			T>A
NC_014760	957907	gatA			T>A
NC_014760	957939	gatA			T>A
NC_014760	958067	gatA			T>C
NC_014760	958307	gatA			A>T
NC_014760	958689	MBOVPG45_RS04140			A>T
NC_014760	958715	MBOVPG45_RS04140			C>A
NC_014760	958889	MBOVPG45_RS04140			GA>AT
NC_014760	958948	MBOVPG45_RS04140			C>T
NC_014760	959225	MBOVPG45_RS04145			G>A
NC_014760	959334	MBOVPG45_RS04145			C>T
NC_014760	959484	MBOVPG45_RS04145			T>C
NC_014760	959498	MBOVPG45_RS04145			A>G
NC_014760	959511	MBOVPG45_RS04145			C>T
NC_014760	959538	MBOVPG45_RS04145			T>A
NC_014760	959658	MBOVPG45_RS04145			T>C
NC_014760	959730	MBOVPG45_RS04145			TC>CT
NC_014760	965875	MBOVPG45_RS04185			G>A
NC_014760	965899	MBOVPG45_RS04185			G>A
NC_014760	965909	MBOVPG45_RS04185			C>T
NC_014760	966273	MBOVPG45_RS04185			T>A
NC_014760	966639	rbfA			A>G
NC_014760	967387	MBOVPG45_RS04200			A>C
NC_014760	967763	MBOVPG45_RS04200			G>A
NC_014760	967770	MBOVPG45_RS04200			G>A

NC_014760	968069	MBOVPG45_RS04200		A > del 1	
NC_014760	968085	MBOVPG45_RS04200			A>G
NC_014760	968097	MBOVPG45_RS04200			G>C
NC_014760	969173	MBOVPG45_RS04210			C>A
NC_014760	969241	MBOVPG45_RS04210			A>G
NC_014760	969325	MBOVPG45_RS04210			A>G
NC_014760	969553	MBOVPG45_RS04210			T>C
NC_014760	969720	MBOVPG45_RS04210			C>T
NC_014760	969977	MBOVPG45_RS04210			C>T
NC_014760	969985	MBOVPG45_RS04210			C>T
NC_014760	970093	MBOVPG45_RS04210			C>T
NC_014760	970262	MBOVPG45_RS04210			T>G
NC_014760	970301	MBOVPG45_RS04215			C>T
NC_014760	970346	MBOVPG45_RS04215			G>A
NC_014760	972044	MBOVPG45_RS04230			A>G
NC_014760	972501	prmC			T>C
NC_014760	972552	prmC			T>C
NC_014760	972789	prmC			C>T
NC_014760	974517	MBOVPG45_RS04245			T>C
NC_014760	974574	MBOVPG45_RS04245			T>A
NC_014760	974700	MBOVPG45_RS04245			T>C
NC_014760	974738	MBOVPG45_RS04245			C>T
NC_014760	974741	MBOVPG45_RS04245			T>C
NC_014760	974766	MBOVPG45_RS04245			A>C
NC_014760	974775	MBOVPG45_RS04245			G>A
NC_014760	976131	MBOVPG45_RS04250			T>C
NC_014760	976184	MBOVPG45_RS04250			C>T
NC_014760	976191	MBOVPG45_RS04250			T>A
NC_014760	976211	MBOVPG45_RS04250			T>C
NC_014760	976226	MBOVPG45_RS04250			C>T
NC_014760	976501	MBOVPG45_RS04255	gyrB (type IIA DNA topoisomerase subunit B)		A>T
NC_014760	976511	MBOVPG45_RS04255	gyrB (type IIA DNA topoisomerase subunit B)		G>A
NC_014760	976954	MBOVPG45_RS04255	gyrB (type IIA DNA topoisomerase subunit B)		G>A
NC_014760	976988	MBOVPG45_RS04255	gyrB (type IIA DNA topoisomerase subunit B)		C>T

NC_014760	977608	MBOVPG45_RS04255	gyrB (type IIA DNA topoisomerase subunit B)		G>A
NC_014760	978153	MBOVPG45_RS04255	gyrB (type IIA DNA topoisomerase subunit B)		TG>CA
NC_014760	978606	MBOVPG45_RS04260			A>G
NC_014760	978825	MBOVPG45_RS04260			C>T
NC_014760	978986	smpB			T>C
NC_014760	979282	smpB			A>G
NC_014760	980663	MBOVPG45_RS04275			T>G
NC_014760	980670	MBOVPG45_RS04275			- > ins TC
NC_014760	980671	MBOVPG45_RS04275			G>T
NC_014760	980673	MBOVPG45_RS04275			CT>TC
NC_014760	980695	MBOVPG45_RS04275			T>C
NC_014760	980715	MBOVPG45_RS04275			C>T
NC_014760	980744	MBOVPG45_RS04275			A>T
NC_014760	980788	MBOVPG45_RS04275			T>A
NC_014760	980815	MBOVPG45_RS04275			G>A
NC_014760	980817	MBOVPG45_RS04275			TT>AA
NC_014760	980824	MBOVPG45_RS04275			A>G
NC_014760	980863	MBOVPG45_RS04275			T>A
NC_014760	980865	MBOVPG45_RS04275			TC>CT
NC_014760	980906	MBOVPG45_RS04275			G>T
NC_014760	980917	MBOVPG45_RS04275			C>T
NC_014760	980931	MBOVPG45_RS04275			C>A
NC_014760	980971	MBOVPG45_RS04275			T>C
NC_014760	980990	MBOVPG45_RS04275			T>A
NC_014760	981005	MBOVPG45_RS04275			T>A
NC_014760	981011	MBOVPG45_RS04275			A>T
NC_014760	981058	MBOVPG45_RS04275			T>C
NC_014760	981060	MBOVPG45_RS04275			GT>TC
NC_014760	981077	MBOVPG45_RS04275			T>A
NC_014760	981079	MBOVPG45_RS04275			C>T
NC_014760	981082	MBOVPG45_RS04275			T>A
NC_014760	981087	MBOVPG45_RS04275			A>G
NC_014760	981110	MBOVPG45_RS04275		T>A	
NC_014760	981112	MBOVPG45_RS04275		T>C	
NC_014760	981127	MBOVPG45_RS04275		C>T	C>T
NC_014760	981134	MBOVPG45_RS04275			A>T
NC_014760	981135	MBOVPG45_RS04275		T>G	
NC_014760	981141	MBOVPG45_RS04275		TTATA>CCTCT	
NC_014760	981152	MBOVPG45_RS04275		AGT>GCC	
NC_014760	981156	MBOVPG45_RS04275		C>A	
NC_014760	981163	MBOVPG45_RS04275		TAGA>ACTT	

NC_014760	981243	MBOVPG45_RS04275			G>T
NC_014760	981285	MBOVPG45_RS04275			T>G
NC_014760	981288	MBOVPG45_RS04275			T>C
NC_014760	981298	MBOVPG45_RS04275			C>T
NC_014760	981315	MBOVPG45_RS04275			T>G
NC_014760	981344	MBOVPG45_RS04275			C>A
NC_014760	981358	MBOVPG45_RS04275			T>C
NC_014760	981394	MBOVPG45_RS04275			T>C
NC_014760	981400	MBOVPG45_RS04275			CG>TC
NC_014760	981403	MBOVPG45_RS04275			C>G
NC_014760	981424	MBOVPG45_RS04275			C>T
NC_014760	981508	MBOVPG45_RS04275			A>T
NC_014760	981553	MBOVPG45_RS04275			T>C
NC_014760	981821	MBOVPG45_RS04280			G > del 1
NC_014760	982458	MBOVPG45_RS04285			C>T
NC_014760	984371	MBOVPG45_RS04300		G>A	
NC_014760	984390	MBOVPG45_RS04300			C>T
NC_014760	985381	mgtA			T>G
NC_014760	985425	mgtA			C>T
NC_014760	985446	mgtA			T>C
NC_014760	985534	mgtA			T>A
NC_014760	986482	mgtA			C>G
NC_014760	986524	mgtA			T>C
NC_014760	987109	mgtA		A>G	
NC_014760	987655	mgtA			T>A
NC_014760	987798	mgtA			T>C
NC_014760	988794	MBOVPG45_RS04310			T>C
NC_014760	988880	MBOVPG45_RS04310			A>T
NC_014760	989006	MBOVPG45_RS04310			C>T
NC_014760	989072	MBOVPG45_RS04310			A>G
NC_014760	989075	MBOVPG45_RS04310			G>A
NC_014760	989187	MBOVPG45_RS04315			C>T
NC_014760	989763	MBOVPG45_RS04315			T>G
NC_014760	990104	MBOVPG45_RS04315			T>G
NC_014760	990153	MBOVPG45_RS04315			CG>AA
NC_014760	990156	MBOVPG45_RS04315			T>C
NC_014760	990516	MBOVPG45_RS04315			G>T
NC_014760	990619	MBOVPG45_RS04315			T>A
NC_014760	990759	MBOVPG45_RS04315			A>T
NC_014760	991185	MBOVPG45_RS04315			AC>GT
NC_014760	991308	MBOVPG45_RS04315			T>C
NC_014760	991667	MBOVPG45_RS04315			G>A
NC_014760	991704	MBOVPG45_RS04315			A>G
NC_014760	991872	MBOVPG45_RS04315			A>T
NC_014760	992403	MBOVPG45_RS04315			T>C
NC_014760	992676	MBOVPG45_RS04315			G>C
NC_014760	992741	MBOVPG45_RS04315			C>T

NC_014760	992874	MBOVPG45_RS04315			T>A
NC_014760	992900	MBOVPG45_RS04315			A>G
NC_014760	992907	MBOVPG45_RS04315			C>T
NC_014760	992916	MBOVPG45_RS04315			G>A
NC_014760	993032	MBOVPG45_RS04315			T>G
NC_014760	993047	MBOVPG45_RS04315			C>T
NC_014760	993162	MBOVPG45_RS04315			GC>CT
NC_014760	993177	MBOVPG45_RS04315			A>G
NC_014760	993349	MBOVPG45_RS04315			AA>TC
NC_014760	993356	MBOVPG45_RS04315			T>C
NC_014760	993573	MBOVPG45_RS04315			C>T
NC_014760	993618	MBOVPG45_RS04315			T>C
NC_014760	993696	MBOVPG45_RS04315			A>C
NC_014760	993709	MBOVPG45_RS04315			AG>GA
NC_014760	993763	MBOVPG45_RS04315			AA>GG
NC_014760	993770	MBOVPG45_RS04315			G>A
NC_014760	993793	MBOVPG45_RS04315			T>A
NC_014760	993803	MBOVPG45_RS04315			G>T
NC_014760	994017	MBOVPG45_RS04315			T>C
NC_014760	994027	MBOVPG45_RS04315			G>T
NC_014760	994029	MBOVPG45_RS04315			C>T
NC_014760	994063	MBOVPG45_RS04315			GC>TT
NC_014760	994076	MBOVPG45_RS04315			GT>TC
NC_014760	994199	MBOVPG45_RS04315			C>T
NC_014760	994227	MBOVPG45_RS04315			C>T
NC_014760	994235	MBOVPG45_RS04315			T>A
NC_014760	994427	MBOVPG45_RS04315		G>A	
NC_014760	994440	MBOVPG45_RS04315			C>T
NC_014760	994447	MBOVPG45_RS04315			A>T
NC_014760	994452	MBOVPG45_RS04315			C>T
NC_014760	994575	MBOVPG45_RS04315			T>A
NC_014760	994602	MBOVPG45_RS04315			T>C
NC_014760	994773	MBOVPG45_RS04315			T>C
NC_014760	994849	MBOVPG45_RS04315			T>A
NC_014760	994851	MBOVPG45_RS04315			C>T
NC_014760	994950	MBOVPG45_RS04315			T>A
NC_014760	995010	MBOVPG45_RS04315			T>C
NC_014760	995076	MBOVPG45_RS04315			C>T
NC_014760	995112	MBOVPG45_RS04315			C>T
NC_014760	995114	MBOVPG45_RS04315			G>A
NC_014760	995182	MBOVPG45_RS04315			C>A
NC_014760	995429	MBOVPG45_RS04315			C>T
NC_014760	995756	MBOVPG45_RS04315			T>C
NC_014760	995786	MBOVPG45_RS04315			G>T
NC_014760	995817	MBOVPG45_RS04315			T>C
NC_014760	995894	MBOVPG45_RS04315			G>A
NC_014760	995923	MBOVPG45_RS04315			A>T

NC_014760	995944	MBOVPG45_RS04315			A>T
NC_014760	995954	MBOVPG45_RS04315			C>T
NC_014760	995963	MBOVPG45_RS04315			A>T
NC_014760	996032	MBOVPG45_RS04315			G>T
NC_014760	996161	MBOVPG45_RS04315			T>G
NC_014760	996174	MBOVPG45_RS04315			G>T
NC_014760	996198	MBOVPG45_RS04315			T>C
NC_014760	996235	MBOVPG45_RS04315			TG>AA
NC_014760	996238	MBOVPG45_RS04315			G>T
NC_014760	996254	MBOVPG45_RS04315			T>C
NC_014760	996282	MBOVPG45_RS04315			C>T
NC_014760	996310	MBOVPG45_RS04315			T>A
NC_014760	996401	MBOVPG45_RS04315			A>T
NC_014760	996427	MBOVPG45_RS04315			T>C
NC_014760	996457	MBOVPG45_RS04315			A>T
NC_014760	996562	MBOVPG45_RS04315			C>A
NC_014760	996684	MBOVPG45_RS04315			T>C
NC_014760	996686	MBOVPG45_RS04315			C>T
NC_014760	996720	MBOVPG45_RS04315			T>C
NC_014760	996742	MBOVPG45_RS04315			A>T
NC_014760	996762	MBOVPG45_RS04315			TG>CA
NC_014760	996846	MBOVPG45_RS04315			G>T
NC_014760	996865	MBOVPG45_RS04315			TTC > del 3
NC_014760	996875	MBOVPG45_RS04315			T>C
NC_014760	996894	MBOVPG45_RS04315			C>T
NC_014760	996965	MBOVPG45_RS04315			C>T
NC_014760	997012	MBOVPG45_RS04315			A>T
NC_014760	997722	hflB		C>T	
NC_014760	999101	hflB			A>G
NC_014760	999168	hflB			G>A
NC_014760	999725	tilS			G>T
NC_014760	999771	tilS			AT>TC
NC_014760	999855	tilS			T>C
NC_014760	999866	tilS			G>T
NC_014760	999880	tilS			C>T
NC_014760	999959	tilS			G>T
NC_014760	999983	tilS			CT>AG
NC_014760	1000035	tilS			C>T
NC_014760	1000569	MBOVPG45_RS04330			A>C
NC_014760	1001054	MBOVPG45_RS04335			C>T
NC_014760	1001152	MBOVPG45_RS04335			C>T
NC_014760	1001314	MBOVPG45_RS04335			C>G
NC_014760	1001438	MBOVPG45_RS04335			T>C
NC_014760	1002098	MBOVPG45_RS04335			T>C
NC_014760	1002380	MBOVPG45_RS04335			G>A
NC_014760	1002503	MBOVPG45_RS04335			GC>AT
NC_014760	1002623	MBOVPG45_RS04335			T>C

NC_014760	1002755	MBOVPG45_RS04335			G>T
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