

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
csu1005	csu1005	cDNA	pBS	Amp	900	EcoRI /XhoI	M13F, M13R
csu1007	csu1007	cDNA	pBS	Amp	500, 400	EcoRI /XhoI	M13F, M13R
csu1023	csu1023	cDNA	pBS	Amp	600	EcoRI /XhoI	M13F, M13R
csu1026	csu1026	cDNA	pBS	Amp	1200	EcoRI /XhoI	M13F, M13R
csu1028	csu1028	cDNA	pBS	Amp	400, 200	EcoRI /XhoI	M13F, M13R
csu1029	csu1029	cDNA	pBS	Amp	350	EcoRI /XhoI	M13F, M13R
csu1038	csu1038	cDNA	pBS	Amp	600, 300	EcoRI /XhoI	M13F, M13R
csu1039	csu1039	cDNA	pBS	Amp	400, 200	EcoRI /XhoI	M13F, M13R
csu1041	csu1041	cDNA	pBS	Amp	650, 500	EcoRI /XhoI	M13F, M13R
csu1042	csu1042	cDNA	pBS	Amp	850	EcoRI /XhoI	M13F, M13R
csu1047	csu1047	cDNA	pBS	Amp	450	EcoRI /XhoI	M13F, M13R
csu1050	csu1050	cDNA	pBS	Amp	350	EcoRI /XhoI	M13F, M13R
csu1051	csu1051	cDNA	pBS	Amp	450	EcoRI /XhoI	M13F, M13R
csu1053	csu1053	cDNA	pBS	Amp	1400	EcoRI /XhoI	M13F, M13R
csu1054	csu1054	cDNA	pBS	Amp	900	EcoRI /XhoI	M13F, M13R
csu1055	csu1055	cDNA	pBS	Amp	1350	EcoRI /XhoI	M13F, M13R
csu1058	csu1058	cDNA	pBS	Amp	450	EcoRI /XhoI	M13F, M13R
csu1059	csu1059	cDNA	pBS	Amp	350	EcoRI /XhoI	M13F, M13R
csu1060	csu1060	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu1061	csu1061	cDNA	pBS	Amp	850	EcoRI /XhoI	M13F, M13R
csu1062	csu1062	cDNA	pBS	Amp	650, 200	EcoRI /XhoI	M13F, M13R
csu1063	csu1063	cDNA	pBS	Amp	2200	EcoRI /XhoI	M13F, M13R
csu1065	csu1065	cDNA	pBS	Amp	1700	EcoRI /XhoI	M13F, M13R
csu1066	csu1066	cDNA	pBS	Amp	700	EcoRI /XhoI	M13F, M13R
csu1070	csu1070	cDNA	pBS	Amp	700, 450, 200	EcoRI /XhoI	M13F, M13R
csu1073	csu1073	cDNA	pBS	Amp	600, 350	EcoRI /XhoI	M13F, M13R
csu1074	csu1074	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu1076	csu1076	cDNA	pBS	Amp	400	EcoRI /XhoI	M13F, M13R
csu1077	csu1077	cDNA	pBS	Amp	450	EcoRI /XhoI	M13F, M13R
csu1080	csu1080	cDNA	pBS	Amp	350	EcoRI /XhoI	M13F, M13R
csu1082	csu1082	cDNA	pBS	Amp	600	EcoRI /XhoI	M13F, M13R
csu1083	csu1083	cDNA	pBS	Amp	600	EcoRI /XhoI	M13F, M13R
csu1084	csu1084	cDNA	pBS	Amp	350, 200	EcoRI /XhoI	M13F, M13R
csu1086	csu1086	cDNA	pBS	Amp	300	EcoRI /XhoI	M13F, M13R
csu1087	csu1087	cDNA	pBS	Amp	1100	EcoRI /XhoI	M13F, M13R
csu1089	csu1089	cDNA	pBS	Amp	350	EcoRI /XhoI	M13F, M13R
csu1091	csu1091	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1095	csu1095	cDNA	pBS	Amp	500	EcoRI /XhoI	M13F, M13R
csu1097	csu1097	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu1098	csu1098	cDNA	pBS	Amp	1300	EcoRI /XhoI	M13F, M13R
csu1101	csu1101	cDNA	pBS	Amp	450	EcoRI /XhoI	M13F, M13R
csu1103	csu1103	cDNA	pBS	Amp	450	EcoRI /XhoI	M13F, M13R
csu1105	csu1105	cDNA	pBS	Amp	1500	EcoRI /XhoI	M13F, M13R
csu1106	csu1106	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu1107	csu1107	cDNA	pBS	Amp	700	EcoRI /XhoI	M13F, M13R
csu1113	csu1113	cDNA	pBS	Amp	500	EcoRI /XhoI	M13F, M13R
csu1117	csu1117	cDNA	pBS	Amp	1700, 850	EcoRI /XhoI	M13F, M13R
csu1120	csu1120	cDNA	pBS	Amp	800, 550	EcoRI /XhoI	M13F, M13R
csu1124	csu1124	cDNA	pBS	Amp	1500, 700	EcoRI /XhoI	M13F, M13R
csu1125	csu1125	cDNA	pBS	Amp	1350	EcoRI /XhoI	M13F, M13R
csu1130	csu1130	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1132	csu1132	cDNA	pBS	Amp	700	EcoRI /XhoI	M13F, M13R
csu1135	csu1135	cDNA	pBS	Amp	700, 500	EcoRI /XhoI	M13F, M13R
csu1138	csu1138	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
csu1140	crt2	cDNA	pBS	Amp	350	EcoRI /XhoI	M13F, M13R
csu1142	csu1142	cDNA	pBS	Amp	600	EcoRI /XhoI	M13F, M13R
csu1146	csu1146	cDNA	pBS	Amp	400, 250	EcoRI /XhoI	M13F, M13R
csu1148	csu1148	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu1150	csu1150	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1154	csu1154	cDNA	pBS	Amp	400	EcoRI /XhoI	M13F, M13R
csu1155	csu1155	cDNA	pBS	Amp	0	EcoRI /XhoI	M13F, M13R
csu1163	csu1163	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu1164	csu1164	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1167	csu1167	cDNA	pBS	Amp	500	EcoRI /XhoI	M13F, M13R
csu1169	csu1169	cDNA	pBS	Amp	750	EcoRI /XhoI	M13F, M13R
csu1171	csu1171	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1174	csu1174	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1175	csu1175	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1183	plt2	cDNA	pBS	Amp	600	EcoRI /XhoI	M13F, M13R
csu1185	csu1185	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1187	csu1187	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu1189	csu1189	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu1190	csu1190	cDNA	pBS	Amp	700	EcoRI /XhoI	M13F, M13R
csu1192	csu1192(apx)	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu1193	csu1193	cDNA	pBS	Amp	350, 250	EcoRI /XhoI	M13F, M13R
csu1196	csu1196	cDNA	pBS	Amp	650	EcoRI /XhoI	M13F, M13R
csu954	csu954	cDNA	pBS	Amp	0	EcoRI /XhoI	M13F, M13R
csu961	csu961(fnr)	cDNA	pBS	Amp	1100	EcoRI /XhoI	M13F, M13R
csu969	fpg1	cDNA	pBS	Amp	0	EcoRI /XhoI	M13F, M13R
csu974	rps25	cDNA	pBS	Amp	0	EcoRI /XhoI	M13F, M13R
csu981	csu981(eif5A)	cDNA	pBS	Amp	500	EcoRI /XhoI	M13F, M13R
csu982	csu982(goa)	cDNA	pBS	Amp	550	EcoRI /XhoI	M13F, M13R
csu996	csu996	cDNA	pBS	Amp	800	EcoRI /XhoI	M13F, M13R
5C01B12	uaz132(dts)	cDNA	pZL1	Amp	800	XbaI/SalI	M13F, M13R
5C01C06	vsp1	cDNA	pZL1	Amp	900	XbaI/SalI	M13F, M13R
5C01D03	uaz198(rpL10)	cDNA	pZL1	Amp	600	XbaI/SalI	M13F, M13R
5C01G10	nacl	cDNA	pZL1	Amp	550	XbaI/SalI	M13F, M13R
5C02A05	prc1	cDNA	pZL1	Amp	1075	XbaI/SalI	M13F, M13R
5C02B03	uaz352	cDNA	pZL1	Amp	1000	XbaI/SalI	M13F, M13R
5C02B05	uaz5c02b05	cDNA	pZL1	Amp	450	XbaI/SalI	M13F, M13R
5C02E05	uaz172	cDNA	pZL1	Amp	1075	XbaI/SalI	M13F, M13R
5C02E08	uaz280	cDNA	pZL1	Amp	1600	XbaI/SalI	M13F, M13R
5C02F05	uaz282	cDNA	pZL1	Amp	1150	XbaI/SalI	M13F, M13R
5C02F11	uaz102	cDNA	pZL1	Amp	0	XbaI/SalI	M13F, M13R
5C02H07	ugp1	cDNA	pZL1	Amp	400	XbaI/SalI	M13F, M13R
5C02H10	pop1	cDNA	pZL1	Amp	1200	XbaI/SalI	M13F, M13R
5C04A04	uaz127	cDNA	pZL1	Amp	750	XbaI/SalI	M13F, M13R
5C04A07	uaz154	cDNA	pZL1	Amp	800	XbaI/SalI	M13F, M13R
5C04B02	uaz183	cDNA	pZL1	Amp	900	XbaI/SalI	M13F, M13R
5C04C07	uaz5c04c07	cDNA	pZL1	Amp	500	XbaI/SalI	M13F, M13R
5C04D01	uaz205(hsp70)	cDNA	pZL1	Amp	950	XbaI/SalI	M13F, M13R
5C04D02	msr1	cDNA	pZL1	Amp	850	XbaI/SalI	M13F, M13R
5C04D04	uaz188	cDNA	pZL1	Amp	0	XbaI/SalI	M13F, M13R
5C04D07	uaz207	cDNA	pZL1	Amp	1000	XbaI/SalI	M13F, M13R
5C04D09	mta1	cDNA	pZL1	Amp	0	XbaI/SalI	M13F, M13R
5C04F01	uaz193	cDNA	pZL1	Amp	0	XbaI/SalI	M13F, M13R
5C04F07	prp2	cDNA	pZL1	Amp	0	XbaI/SalI	M13F, M13R
5C04F09	uaz271	cDNA	pZL1	Amp	700	XbaI/SalI	M13F, M13R

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
5C04G07	uaz196	cDNA	pZL1	Amp	0	XbaI/SalI	M13F, M13R
5C04H06	0	cDNA	pZL1	Amp	1800	XbaI/SalI	M13F, M13R
5C05D07	uaz260(rpL5)	cDNA	pZL1	Amp	1100	XbaI/SalI	M13F, M13R
5C05D12	uce1	cDNA	pZL1	Amp	600	XbaI/SalI	M13F, M13R
5C05F12	caat1	cDNA	pZL1	Amp	600	XbaI/SalI	M13F, M13R
5C06E05	agp1	cDNA	pZL1	Amp	1200	XbaI/SalI	M13F, M13R
5C07E01	uaz188	cDNA	pZL1	Amp	1400	XbaI/SalI	M13F, M13R
5C08C03	uaz351(rpS12)	cDNA	pZL1	Amp	700	XbaI/SalI	M13F, M13R
5C11B04	uaz298(PDsl)	cDNA	pZL1	Amp	600	XbaI/SalI	M13F, M13R
6C02F07	uaz192	cDNA	pZL1	Amp	2500, 300	XbaI/SalI	M13F, M13R
6C06B11	uaz338	cDNA	pZL1	Amp	600, 400	XbaI/SalI	M13F, M13R
7C01F01	uat4	cDNA	pZL1	Amp	1000	EcoRI/XhoI	M13F, M13R
agrc39	agrc39	cDNA	pSP84	Amp	2600	RI/HdIII	0
agrc94	agrc94	cDNA	pSP84	Amp	1300	RI/HdIII	0
agrc255	agrc255	cDNA	pSP84	Amp	900	RI/HdIII	0
agrc539	agrc539	cDNA	pSP84	Amp	650	RI/HdIII	0
agrc561	agrc561	cDNA	pSP84	Amp	450	RI/HdIII	0
agrc563	agrc563	cDNA	pSP84	Amp	900	RI/HdIII	0
agrc567	agrc567	cDNA	pSP84	Amp	1200	RI/HdIII	0
agrc714	agrc714	cDNA	pSP84	Amp	950	RI/HdIII	0
agrc805	agrc805	cDNA	pSP84	Amp	900	RI/HdIII	0
agrp67	agrp67	genomic	pGEM3Z	Amp	700	RI/HdIII	SP6, T7
agrp83	agrp83	genomic	pGEM3Z	Amp	800	RI/HdIII	SP6, T7
agrp144	agrp144	genomic	pGEM3Z	Amp	800	RI/HdIII	SP6, T7
agrp168	agrp168	genomic	pGEM3Z	Amp	900	RI/HdIII	SP6, T7
agrp173	agrp173	genomic	pGEM3Z	Amp	800	RI/HdIII	SP6, T7
agrr43	agrr43	cDNA	pGEM2	Amp	1100	RI/HdIII	SP6, T7
agrr62	agrr62	cDNA	pGEM2	Amp	700	RI/HdIII	SP6, T7
agrr85	agrr85	cDNA	pGEM2	Amp	1100	RI/HdIII	SP6, T7
agrr87	agrr87	cDNA	pGEM2	Amp	1100	RI/HdIII	SP6, T7
agrr89	agrr89	cDNA	pGEM2	Amp	1400	RI/HdIII	SP6, T7
agrr109	agrr109	cDNA	pGEM2	Amp	1300	RI/HdIII	SP6, T7
agrr113	agrr113	cDNA	pGEM2	Amp	600	RI/HdIII	SP6, T7
agrr118	agrr118	cDNA	pGEM2	Amp	500	RI/HdIII	SP6, T7
agrr167	agrr167	cDNA	pGEM2	Amp	600	RI/HdIII	SP6, T7
agrr189	agrr189	cDNA	pGEM2	Amp	600	RI/HdIII	SP6, T7
agrr221	agrr221	cDNA	pGEM2	Amp	900	RI/HdIII	SP6, T7
agrr286	agrr286	cDNA	pGEM2	Amp	1600	RI/HdIII	SP6, T7
agrr301	agrr301	cDNA	pGEM2	Amp	700	RI/HdIII	SP6, T7
agrr321	agrr321	cDNA	pGEM2	Amp	800	RI/HdIII	SP6, T7
asg1	asg1	genomic	pGEM3Zf	Amp	1000	PstI	T7, SP6
asg2	asg2	genomic	pGEM3Zf	Amp	550	PstI	T7, SP6
asg3	asg3	genomic	pGEM3Zf	Amp	900	PstI	T7, SP6
asg4	asg4	genomic	pGEM3Zf	Amp	1200	PstI	T7, SP6
asg5	asg5	genomic	pGEM3Zf	Amp	550	PstI	T7, SP6
asg6	asg6	genomic	pGEM3Zf	Amp	700	PstI	T7, SP6
asg9	asg9	genomic	pGEM3Zf	Amp	550	PstI	T7, SP6
asg10	asg10	genomic	pGEM3Zf	Amp	1000	PstI	T7, SP6
asg11	asg11	genomic	pGEM3Zf	Amp	1200	PstI	T7, SP6
asg14	asg14	genomic	pGEM3Zf	Amp	625	PstI	T7, SP6
asg15	asg15	genomic	pGEM3Zf	Amp	600	PstI	T7, SP6
asg16	asg16	genomic	pGEM3Zf	Amp	600	PstI	T7, SP6
asg17	asg17	genomic	pGEM3Zf	Amp	1100	PstI	T7, SP6

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
asg18	asg18	genomic	pGEM3Zf	Amp	600	PstI	T7, SP6
asg19	asg19	genomic	pGEM3Zf	Amp	600	PstI	T7, SP6
asg22	asg22	genomic	pGEM3Zf	Amp	1500	PstI	T7, SP6
asg23	asg23	genomic	pGEM3Zf	Amp	2000	PstI	T7, SP6
asg26	asg26	genomic	pGEM3Zf	Amp	800	PstI	T7, SP6
asg27	asg27	genomic	pGEM3Zf	Amp	500	PstI	T7, SP6
asg28	asg28	genomic	pGEM3Zf	Amp	2000	PstI	T7, SP6
asg29	asg29	genomic	pGEM3Zf	Amp	1400	PstI	T7, SP6
asg30	asg30	genomic	pGEM3Zf	Amp	1700	PstI	T7, SP6
asg31	asg31	genomic	pGEM3Zf	Amp	500	PstI	T7, SP6
asg32	asg32	genomic	pGEM3Zf	Amp	2000	PstI	T7, SP6
asg33	asg33	genomic	pGEM3Zf	Amp	1400	PstI	T7, SP6
asg35	asg35	genomic	pGEM3Zf	Amp	900	PstI	T7, SP6
asg36	asg36	genomic	pGEM3Zf	Amp	600	PstI	T7, SP6
asg37	asg37	genomic	pGEM3Zf	Amp	1350	PstI	T7, SP6
asg39	asg39	genomic	pGEM3Zf	Amp	1200	PstI	T7, SP6
asg41	asg41	genomic	pGEM3Zf	Amp	900	PstI	T7, SP6
asg43	asg43	genomic	pGEM3Zf	Amp	300	PstI	T7, SP6
asg44	asg44	genomic	pGEM3Zf	Amp	500	PstI	T7, SP6
asg46	asg46	genomic	pGEM3Zf	Amp	400	PstI	T7, SP6
asg47	asg47	genomic	pGEM3Zf	Amp	1000	PstI	T7, SP6
asg50	asg50	genomic	pGEM3Zf	Amp	800	PstI	T7, SP6
asg51	asg51	genomic	pGEM3Zf	Amp	400	PstI	T7, SP6
asg52	asg52	genomic	pGEM3Zf	Amp	800	PstI	T7, SP6
asg53	asg53	genomic	pGEM3Zf	Amp	800	PstI	T7, SP6
asg54	asg54	genomic	pGEM3Zf	Amp	300	PstI	T7, SP6
asg58	asg58	genomic	pGEM3Zf	Amp	600	PstI	T7, SP6
asg59	asg59	genomic	pGEM3Zf	Amp	750	PstI	T7, SP6
asg60	asg60	genomic	pGEM3Zf	Amp	450	PstI	T7, SP6
asg61	asg61	genomic	pGEM3Zf	Amp	900	PstI	T7, SP6
asg63	asg63	genomic	pGEM3Zf	Amp	650	PstI	T7, SP6
asg64	asg64	genomic	pGEM3Zf	Amp	800	PstI	T7, SP6
asg65	asg65	genomic	pGEM3Zf	Amp	1000, 650	PstI	T7, SP6
asg66	asg66	genomic	pGEM3Zf	Amp	650	PstI	T7, SP6
asg68	asg68	genomic	pGEM3Zf	Amp	700, 400	PstI	T7, SP6
asg69	asg69	genomic	pGEM3Zf	Amp	500	PstI	T7, SP6
asg71	asg71	genomic	pGEM3Zf	Amp	900	PstI	T7, SP6
asg72	asg72	genomic	pGEM3Zf	Amp	1100	PstI	T7, SP6
asg73	asg73	genomic	pGEM3Zf	Amp	900	PstI	T7, SP6
asg74	asg74	genomic	pGEM3Zf	Amp	850	PstI	T7, SP6
asg75	asg75	genomic	pGEM3Zf	Amp	450	PstI	T7, SP6
asg76	asg76	genomic	pGEM3Zf	Amp	950	PstI	T7, SP6
asg81	asg81	genomic	pGEM3Zf	Amp	900	PstI	T7, SP6
asg82	asg82	genomic	pGEM3Zf	Amp	500	PstI	T7, SP6
asg84	asg84	genomic	pGEM3Zf	Amp	600	PstI	T7, SP6
asg85	asg85	genomic	pGEM3Zf	Amp	850	PstI	T7, SP6
bn11.297	bn11.297	cDNA	0	Amp	950	EcoRI	0
bn11.326	bn11.326	cDNA	0	Amp	540	EcoRI	0
bn11.45	bn11.45	cDNA	0	Amp	440	EcoRI	0
bn11.67	bn11.67	cDNA	0	Amp	?	EcoRI	0
bn11.80	bn11.80	genomic	pUC12	Amp	950	PstI	M13F, M13R
bn12.369	bn12.369	cDNA	0	Amp	700	EcoRI	0
bn13.03	bn13.03	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bn13.18	bn13.18	genomic	pUC12	Amp	2100	PstI	M13F, M13R

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
bnl4.24	bnl4.24	genomic	pUC12	Amp	2350	PstI	M13F, M13R
bnl5.02	bnl5.02	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl5.04	bnl5.04	genomic	pUC12	Amp	2100	PstI	M13F, M13R
bnl5.09	bnl5.09	genomic	pUC12	Amp	2300	PstI	M13F, M13R
bnl5.10	bnl5.10	genomic	pUC12	Amp	2400	PstI	M13F, M13R
bnl5.14	bnl5.14	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl5.21	bnl5.21	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl5.33	bnl5.33	genomic	pUC12	Amp	2100	PstI	M13F, M13R
bnl5.40	bnl5.40	genomic	pUC12	Amp	2250	PstI	M13F, M13R
bnl5.46	bnl5.46	genomic	pUC12	Amp	2250	PstI	M13F, M13R
bnl5.59	bnl5.59	genomic	pUC12	Amp	2250	PstI	M13F, M13R
bnl5.61	bnl5.61	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl5.62	bnl5.62	genomic	pUC12	Amp	2100	PstI	M13F, M13R
bnl5.67	bnl5.67	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl5.71	bnl5.71	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl6.06	bnl6.06	genomic	pUC12	Amp	2400	PstI	M13F, M13R
bnl6.20	bnl6.20	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl6.22	bnl6.22	genomic	pUC12	Amp	2000	PstI	M13F, M13R
bnl6.25	bnl6.25	genomic	pUC12	Amp	2250	PstI	M13F, M13R
bnl6.27	bnl6.27	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl7.13	bnl7.13	genomic	pUC12	Amp	2100	PstI	M13F, M13R
bnl7.20	bnl7.20	genomic	pUC12	Amp	2400	PstI	M13F, M13R
bnl7.24	bnl7.24	genomic	pUC12	Amp	2100	PstI	M13F, M13R
bnl7.25	bnl7.25	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl7.26	bnl7.26	genomic	pUC12	Amp	2400	PstI	M13F, M13R
bnl7.28	bnl7.28	genomic	pUC12	Amp	2300	PstI	M13F, M13R
bnl7.50	bnl7.50	genomic	pUC12	Amp	2300	PstI	M13F, M13R
bnl7.56	bnl7.56	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl7.61	bnl7.61	genomic	pUC12	Amp	1800	PstI	M13F, M13R
bnl7.65	bnl7.65	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl7.71	bnl7.71	genomic	pUC12	Amp	2550	PstI	M13F, M13R
bnl8.01	bnl8.01	genomic	pUC12	Amp	2400	PstI	M13F, M13R
bnl8.04	bnl8.04	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl8.05	bnl8.05	genomic	pUC12	Amp	2300	PstI	M13F, M13R
bnl8.10	bnl8.10	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl8.15	bnl8.15	genomic	pUC12	Amp	2100	PstI	M13F, M13R
bnl8.17	bnl8.17	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl8.21	bnl8.21	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl8.23	bnl8.23	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl8.29	bnl8.29	genomic	pUC12	Amp	2300	PstI	M13F, M13R
bnl8.32	bnl8.32	genomic	pUC12	Amp	2400	PstI	M13F, M13R
bnl8.33	bnl8.33	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl8.35	bnl8.35	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl8.37	bnl8.37	genomic	pUC12	Amp	2100	PstI	M13F, M13R
bnl8.39	bnl8.39	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl8.44	bnl8.44	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl9.07	bnl9.07	genomic	pUC12	Amp	2400	PstI	M13F, M13R
bnl9.44	bnl9.44	genomic	pUC12	Amp	500	PstI	M13F, M13R
bnl10.05	bnl10.05	genomic	pUC12	Amp	2500	PstI	M13F, M13R
bnl10.13	bnl10.13	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl10.17	bnl10.17	genomic	pUC12	Amp	2600	PstI	M13F, M13R
bnl10.24	bnl10.24B	genomic	pUC12	Amp	2200	PstI	M13F, M13R
bnl10.38	bnl10.38	genomic	pUC12	Amp	2300	PstI	M13F, M13R
bnl10.42	bnl10.42	genomic	pUC12	Amp	2600	PstI	M13F, M13R
bnl12.06	bnl12.06	genomic	pUC12	Amp	2000	PstI	M13F, M13R

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
bnl12.30	bnl12.30	genomic	pUC12	Amp	1450	PstI	M13F, M13R
bnl13.05	bnl13.05	genomic	pUC12	Amp	1300	PstI	M13F, M13R
bnl14.07	bnl14.07	genomic	pUC12	Amp	1200	PstI	M13F, M13R
bnl14.28	bnl14.28	genomic	pUC12	Amp	1550	PstI	M13F, M13R
bnl15.07	bnl15.07	genomic	pUC12	Amp	1950	PstI	M13F, M13R
bnl15.18	bnl15.18	genomic	pUC12	Amp	1400	PstI	M13F, M13R
bnl15.20	bnl15.20	genomic	pUC12	Amp	1100	PstI	M13F, M13R
bnl15.21	bnl15.21	genomic	pUC12	Amp	1250	PstI	M13F, M13R
bnl15.37	bnl15.37	genomic	pUC12	Amp	1150	PstI	M13F, M13R
bnl15.40	bnl15.40	genomic	pUC12	Amp	1950	PstI	M13F, M13R
bnl15.45	bnl15.45	genomic	pUC12	Amp	1300	PstI	M13F, M13R
bnl16.06	bnl16.06	genomic	pUC12	Amp	1800	PstI	M13F, M13R
bnl17.02	bnl17.02	genomic	pUC12	Amp	1200	EcoRI	M13F, M13R
bnl17.14	bnl17.14	?	0	Amp	1250	PstI	0
bnl17.18	bnl17.18	genomic	0	Amp	1020	PstI	0
G1F-12	np197	genomic	pUC8	Amp	1000	HindIII	M13F, M13R
G4H-12	np198	genomic	pUC8	Amp	1300	HindIII	M13F, M13R
C6D-04	np105	cDNA	pUC8	Amp	800	PstI	M13F, M13R
G8F-11	np107	genomic	pUC8	Amp	1600	HindIII	M13F, M13R
G4E-11	np108	genomic	pUC8	Amp	1075	HindIII	M13F, M13R
G7A-11	np110	genomic	pUC8	Amp	1600	HindIII	M13F, M13R
G8H-12	np112	genomic	pUC8	Amp	1500	HindIII	M13F, M13R
G7B-05	np113	genomic	pUC8	Amp	1400	HindIII	M13F, M13R
G7A-10	np114	genomic	pUC8	Amp	1300	HindIII	M13F, M13R
G4C-07	np1209	genomic	pUC8	Amp	1500	HindIII	M13F, M13R
G7C-01	np1215	genomic	pUC8	Amp	1100	HindIII	M13F, M13R
G20B-10	np1232	genomic	pUC19	Amp	1100	PstI	M13F, M13R
G20D-04	np1238	genomic	pUC19	Amp	800	PstI	M13F, M13R
G20D-10	np1239	genomic	pUC19	Amp	850	PstI	M13F, M13R
G21B-04	np1253	genomic	pUC19	Amp	600	PstI	M13F, M13R
G21C-11	np1262	genomic	pUC19	Amp	490	PstI	M13F, M13R
G21G-09	np1267	genomic	pUC19	Amp	1000	PstI	M13F, M13R
G21C-01	np1286	genomic	pUC19	Amp	825	PstI	M13F, M13R
C21C-06	np1290	genomic	pUC19	Amp	800	PstI	M13F, M13R
np1294	np1294	genomic	pUC19	Amp	570	PstI	M13F, M13R
np1400	np1400	genomic	pUC19	Amp	700	PstI	M13F, M13R
G20H-07	np1432	genomic	pUC19	Amp	1200	PstI	M13F, M13R
G23C-11	np1438	genomic	pUC19	Amp	800	PstI	M13F, M13R
G25F-04	np1594	genomic	pUC19	Amp	850	PstI	M13F, M13R
G24A-05	np1611	genomic	pUC19	Amp	0	PstI	M13F, M13R
php06005	php06005	genomic	pUC19	Amp	330	PstI	M13F, M13R
php06007	php06007	genomic	pUC19	Amp	350	PstI	M13F, M13R
php10005	php10005	genomic	pUC19	Amp	850	PstI	M13F, M13R
php10012	php10012	genomic	pUC19	Amp	600	PstI	M13F, M13R
php10080	php10080	genomic	pUC19	Amp	480	PstI	M13F, M13R
php20005	php20005	genomic	pUC19	Amp	1600	PstI	M13F, M13R
php20020	php20020	genomic	pUC19	Amp	1700	PstI	M13F, M13R
php20042	php20042	genomic	pUC19	Amp	1400	PstI	M13F, M13R
php20071	php20071	genomic	pUC19	Amp	1700	PstI	M13F, M13R
php20537	php20537	genomic	pUC19	Amp	1300	PstI	M13F, M13R
php20562	php20562	genomic	pUC19	Amp	0	PstI	M13F, M13R
php20593	php20593	genomic	pUC19	Amp	1800	PstI	M13F, M13R
php20640	php20640	genomic	pUC19	Amp	1600	PstI	M13F, M13R

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
php20644	php20644	genomic	pUC19	Amp	1650	PstI	M13F, M13R
php20646	php20646	genomic	pUC19	Amp	1420	PstI	M13F, M13R
php20690	php20690	genomic	pUC19	Amp	1430	PstI	M13F, M13R
php20726	php20726	genomic	pUC19	Amp	1200	PstI	M13F, M13R
php20855	php20855	genomic	pUC19	Amp	1300	PstI	M13F, M13R
php20904	php20904	genomic	pUC19	Amp	1400	PstI	M13F, M13R
umc1	umc1	genomic	pUC19	Amp	1100	PstI	M13F, M13R
umc2	umc2	genomic	pUC19	Amp	820	PstI	M13F, M13R
umc3	umc3	genomic	pUC19	Amp	840	PstI	M13F, M13R
umc4	umc4	genomic	pUC19	Amp	440	PstI	M13F, M13R
umc7	umc7	genomic	pUC19	Amp	820	PstI	M13F, M13R
umc8	umc8	genomic	pUC19	Amp	1180	PstI	M13F, M13R
umc10	umc10	genomic	pUC19	Amp	1100	PstI	M13F, M13R
umc11	umc11	genomic	pUC19	Amp	890	PstI	M13F, M13R
umc12	umc12	genomic	pUC19	Amp	640	PstI	M13F, M13R
umc13	umc13	genomic	pUC19	Amp	640	PstI	M13F, M13R
umc14	umc14	genomic	pUC19	Amp	1030	PstI	M13F, M13R
umc15	umc15	genomic	pUC19	Amp	720	PstI	M13F, M13R
umc16	umc16	genomic	pUC19	Amp	860	PstI	M13F, M13R
umc18	umc18	genomic	pUC19	Amp	830	PstI	M13F, M13R
umc19	umc19	genomic	pUC19	Amp	670	PstI	M13F, M13R
umc20	umc20	genomic	pUC19	Amp	580	PstI	M13F, M13R
umc22	umc22	genomic	pUC19	Amp	780	PstI	M13F, M13R
umc23	umc23	genomic	pUC19	Amp	670	PstI	M13F, M13R
umc26	umc26	genomic	pUC19	Amp	810	PstI	M13F, M13R
umc27	umc27	genomic	pUC19	Amp	890	PstI	M13F, M13R
umc28	umc28	genomic	pUC19	Amp	1160	PstI	M13F, M13R
umc29	umc29	genomic	pUC19	Amp	990	PstI	M13F, M13R
umc30	umc30	genomic	pUC19	Amp	770	PstI	M13F, M13R
umc33	umc33	genomic	pUC19	Amp	760	PstI	M13F, M13R
umc35	umc35	genomic	pUC19	Amp	650	PstI	M13F, M13R
umc36	umc36	genomic	pUC19	Amp	690	PstI	M13F, M13R
umc37	umc37	genomic	pUC19	Amp	910	PstI	M13F, M13R
umc39	umc39	genomic	pUC19	Amp	640	PstI	M13F, M13R
umc40	umc40	genomic	pUC19	Amp	710	PstI	M13F, M13R
umc42	umc42	genomic	pUC19	Amp	640	PstI	M13F, M13R
umc43	umc43	genomic	pUC19	Amp	820	PstI	M13F, M13R
umc45	umc45	genomic	pUC19	Amp	920	PstI	M13F, M13R
umc46	umc46	genomic	pUC19	Amp	630	PstI	M13F, M13R
umc47	umc47	genomic	pUC19	Amp	740	PstI	M13F, M13R
umc48	umc48	genomic	pUC19	Amp	790	PstI	M13F, M13R
umc51	umc51	genomic	pUC19	Amp	750	PstI	M13F, M13R
umc54	umc54	genomic	pUC19	Amp	1010	PstI	M13F, M13R
umc55	umc55	genomic	pUC19	Amp	900	PstI	M13F, M13R
umc56	umc56	genomic	pUC19	Amp	1070	PstI	M13F, M13R
umc57	umc57	genomic	pUC19	Amp	720	PstI	M13F, M13R
umc58	umc58	genomic	pUC19	Amp	920	PstI	M13F, M13R
umc60	umc60	genomic	pUC19	Amp	1250	PstI	M13F, M13R
umc61	umc61	genomic	pUC19	Amp	1280	PstI	M13F, M13R
umc71	umc71	genomic	pUC19	Amp	990	PstI	M13F, M13R
umc72	umc72	genomic	pUC19	Amp	690	PstI	M13F, M13R
umc80	umc80	genomic	pUC19	Amp	840	PstI	M13F, M13R
umc81	umc81	genomic	pUC19	Amp	820	PstI	M13F, M13R
umc82	umc82	genomic	pUC19	Amp	820	PstI	M13F, M13R

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
umc83	umc83	genomic	pUC19	Amp	750	PstI	M13F, M13R
umc84	umc84	genomic	pUC19	Amp	1030	PstI	M13F, M13R
umc87	umc87	genomic	pUC19	Amp	550	PstI	M13F, M13R
umc89	umc89	genomic	pUC19	Amp	550	PstI	M13F, M13R
umc91	umc91	genomic	pUC19	Amp	940	PstI	M13F, M13R
umc92	umc92	genomic	pUC19	Amp	1180	PstI	M13F, M13R
umc93	umc93	genomic	pUC19	Amp	880	PstI	M13F, M13R
umc94	umc94	genomic	pUC19	Amp	580	PstI	M13F, M13R
umc96	umc96	genomic	pUC19	Amp	720	PstI	M13F, M13R
umc97	umc97	genomic	pUC19	Amp	760	PstI	M13F, M13R
umc98	umc98	genomic	pUC19	Amp	1190	PstI	M13F, M13R
umc103	umc103	genomic	pUC19	Amp	730	PstI	M13F, M13R
umc104	umc104	genomic	pUC19	Amp	740	PstI	M13F, M13R
umc105	umc105	genomic	pUC19	Amp	610	PstI	M13F, M13R
umc106	umc106	genomic	pUC19	Amp	770	PstI	M13F, M13R
umc110	umc110	genomic	pUC19	Amp	750	PstI	M13F, M13R
umc111	umc111	genomic	pUC19	Amp	670	PstI	M13F, M13R
umc112	umc112	genomic	pUC19	Amp	690	PstI	M13F, M13R
umc113	umc113	genomic	pUC19	Amp	630	PstI	M13F, M13R
umc114	umc114	genomic	pUC19	Amp	1070	PstI	M13F, M13R
umc115	umc115	genomic	pUC19	Amp	1060	PstI	M13F, M13R
umc116	umc116	genomic	pUC19	Amp	470	PstI	M13F, M13R
umc117	umc117	genomic	pUC19	Amp	860	PstI	M13F, M13R
umc119	umc119	genomic	pUC19	Amp	1010	PstI	M13F, M13R
umc120	umc120	genomic	pUC19	Amp	900	PstI	M13F, M13R
umc121	umc121	genomic	pUC19	Amp	340	PstI	M13F, M13R
umc122	umc122	genomic	pUC19	Amp	490	PstI	M13F, M13R
umc123	umc123	genomic	pUC19	Amp	580	PstI	M13F, M13R
umc125	umc125	genomic	pUC19	Amp	1030	PstI	M13F, M13R
umc129	umc129	genomic	pUC19	Amp	620	PstI	M13F, M13R
umc133	umc133	genomic	pUC19	Amp	720	PstI	M13F, M13R
umc134	umc134	genomic	pUC19	Amp	780	PstI	M13F, M13R
umc135	umc135	genomic	pUC19	Amp	850	PstI	M13F, M13R
umc137	umc137	genomic	pUC19	Amp	810	PstI	M13F, M13R
umc138	umc138	genomic	pUC19	Amp	780	PstI	M13F, M13R
umc139	umc139	genomic	pUC19	Amp	780	PstI	M13F, M13R
umc140	umc140	genomic	pUC19	Amp	560	PstI	M13F, M13R
umc141	umc141	genomic	pUC19	Amp	640	PstI	M13F, M13R
umc147	umc147	genomic	pUC19	Amp	460	PstI	M13F, M13R
umc154	umc154	genomic	pUC19	Amp	780	PstI	M13F, M13R
umc158	umc158	genomic	pUC19	Amp	630	PstI	M13F, M13R
umc163	umc163	genomic	pUC19	Amp	410	PstI	M13F, M13R
umc164	umc164	genomic	pUC19	Amp	1230	PstI	M13F, M13R
umc166	umc166	genomic	pUC19	Amp	850	PstI	M13F, M13R
umc167	umc167	genomic	pUC19	Amp	620	PstI	M13F, M13R
^8-18	umc171(oec)	cDNA	pUC13	Amp	2700?	BamHI/EcoRI	M13F, M13R
^12-6	oec33	cDNA	pUC13	Amp	600	BamHI/EcoRI	M13F, M13R
^1-9	umc173(pdk)	cDNA	pUC13	Amp	600	BamHI/EcoRI	M13F, M13R
^8-22	umc174	cDNA	pUC13	Amp	730	BamHI/EcoRI	M13F, M13R
umc175	umc175	genomic	pUC19	Amp	570	PstI	M13F, M13R
pP300	bz2	genomic	pUC19	Amp	300	PstI	M13F, M13R
pCG1b15	glb1	cDNA	pBS KS	Amp	2000	EcoRI	M13F, M13R
pALC2	umc189(a1)	genomic	pUC9	Amp	900	RI/HdIII	M13F, M13R
pGAPC15	gpc1	cDNA	pBS KS-	Amp	260	SalI/EcoRI	M13F, M13R
pBZ	bz1	cDNA	pUC9	Amp	1500	PstI	M13F, M13R

ProbeName	LocusName	Type	Vect	Agent	Size	Enz (L/R)	PCR Primers
umcCD	orp1	0	0	Amp	1500	EcoRI	0
umc194	umc194(gpr)	cDNA	pBS SK-	Amp	1700	EcoRI/KpnI	M13F, M13R
Zm7gg	umc196	cDNA	pUC12	Amp	900	PstI	M13F, M13R
umc197	umc197(rip)	?	pUC9	Amp	1000	EcoRI	M13F, M13R
pC2c46	whp1	cDNA	pUC9	Amp	1500	EcoRI	M13F, M13R
pAMu2	a1	genomic	pUC18	Amp	1000	PstI/EcoRI	M13F, M13R
pZmL841-14	adh2	cDNA	pUC8	Amp	1000	PstI	M13F, M13R
umc203	gpc2	cDNA	0	Amp	300	SalI/PstI	0
pBz2.1	umc204	genomic	pUC13	Amp	2100	PstI	M13F, M13R
p246A	sh1	cDNA	pT7-T3-18	Amp	2500	EcoRI	0
umc226	umc226	genomic	pUC19	Amp	1200	PstI	M13F, M13R
umc227	umc227	genomic	pUC19	Amp	750	PstI	M13F, M13R
umc228	umc228	genomic	pUC19	Amp	700	PstI	M13F, M13R
umc229	umc229	genomic	pUC19	Amp	650	PstI	M13F, M13R
umc230	umc230	genomic	pUC19	Amp	850	PstI	M13F, M13R
umc231	umc231	genomic	pUC19	Amp	600	PstI	M13F, M13R
umc232	umc232	genomic	pUC19	Amp	850	PstI	M13F, M13R
umc235	umc235	genomic	pUC19	Amp	1100	PstI	M13F, M13R
umc236	umc236	genomic	pUC19	Amp	900	PstI	M13F, M13R
umc237	umc237	genomic	pUC19	Amp	1050	PstI	M13F, M13R
umc240	umc240	genomic	pUC19	Amp	500	PstI	M13F, M13R
umc241	umc241	genomic	pUC19	Amp	600	PstI	M13F, M13R
umc242	umc242	genomic	pUC19	Amp	750	PstI	M13F, M13R
umc243	umc243	genomic	pUC19	Amp	875	PstI	M13F, M13R
umc244	umc244	genomic	pUC19	Amp	900	PstI	M13F, M13R
umc246	umc246	genomic	pUC19	Amp	0	PstI	M13F, M13R
umc247	umc247	genomic	pUC19	Amp	1150	PstI	M13F, M13R
umc248	umc248	genomic	pUC19	Amp	600	PstI	M13F, M13R
umc249	umc249	genomic	pUC19	Amp	500	PstI	M13F, M13R
umc250	umc250	genomic	pUC19	Amp	1000	PstI	M13F, M13R
umc251	umc251	genomic	pUC19	Amp	650	PstI	M13F, M13R
umc252	umc252	genomic	pUC19	Amp	600	PstI	M13F, M13R
umc256	umc256	genomic	pUC19	Amp	700	PstI	M13F, M13R
umc257	umc257	genomic	pUC19	Amp	800	PstI	M13F, M13R
umc258	umc258	genomic	pUC19	Amp	900	PstI	M13F, M13R
umc260	umc260	genomic	pUC19	Amp	700	PstI	M13F, M13R
umc261	umc261	genomic	pUC19	Amp	875	PstI	M13F, M13R
umc262	umc262	genomic	pUC19	Amp	800	PstI	M13F, M13R
umc263	umc263	genomic	pUC19	Amp	800	PstI	M13F, M13R
umc264	umc264	genomic	pUC19	Amp	1900	PstI	M13F, M13R