

Table ESM S2: Primer sequences or contact address for corresponding SSR loci mapped on the SSR consensus map

Marker loci	Primer name	Linkage group	Position (cM)	Forward primer sequence (5'- 3')	Reverse primer sequence (5'- 3')	Reference
GBMS187	GBMS187	1H	2.52	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS062	GBMS62	1H	20.50	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0565a	EBmac0565	1H	21.86	ATTTGAATGTCCAACAGAATC	AATTGATAAGTTACTGACACACG	Ramsay et al. 2000
GMS021	GMS021	1H	25.62	CTATCACACGACGCAACATG	CCTGAGAAAGAAAGCGCAAC	Struss and Plieske 1998
GBM1007	GBM1007	1H	26.45	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmac0399	Bmac0399	1H	28.86	CGATGCTTTACTATGAGAGGT	GGGTCTGAAGCCTGAAC	Ramsay et al. 2000
Bmac0213	Bmac213	1H	30.81	ATGGATGCAAGACCAAAC	CTATGAGAGGTAGAGCAGCC	Ramsay et al. 2000
GBM1042	GBM1042	1H	45.99	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0504	Bmag0504	1H	49.18	TTGTCTCAATCTTGATCACAC	CAAAGAACATAAAGAGCACAA	Ramsay et al. 2000
Bmag0872	BMAG0872	1H	49.78	ATGTACCATTACGCATCCA	GAAATGTAGAGATGGCACTTG	Ramsay et al. 2000
Bmag0347	Bmag0347	1H	53.27	CTGGGATTGGATCACTCTAA	AAAACAAGTACTGAAAATAGGAGA	Ramsay et al. 2000
EBmac0656	EBmac0656	1H	56.08	TAGACCTCATGCTCATGG	GTATGTGTAGGTGTAGGAATGC	Ramsay et al. 2000
Bmag0344c	Bmag0344	1H	57.46	GATCCAACATATTAACAAAGCC	TGAGGGTATGTACCACTAGCT	Ramsay et al. 2000
GBMS014	GBMS14	1H	57.78	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0297e	Bmac0297	1H	57.78	ATAGAGGGGGTGAAGAATAAC	AATAAGTGAATGATGTTGAGGA	Ramsay et al. 2000
Bmag0345	Bmag0345	1H	58.64	ATGAGGAATAACTCAACCAAA	AATATATTTTCGATGTCGAGC	Ramsay et al. 2000
GBM1311	GBM1311	1H	58.66	AACTCCTCCGTCTCCTCCTC	GGGGGAGTGC GTAGATAA	unpublished
EBmac0560a	Ebmac0560	1H	58.76	CATATGTGTGCAAGTGTGC	AGATCCATGAGGTTGTGC	Ramsay et al. 2000
GBM1412	GBM1412	1H	59.11	TCGACACAGATAGACAGGCG	GACGGAGCCAACCAATAAAA	unpublished
GBMS093	GBMS93	1H	59.19	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1032	GBM1032	1H	59.19	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0350c	Bmag0350	1H	59.83	AGCTAGATCTCTGTCTCTGTGTC	AAGAAACACACCACAAAGATT	Ramsay et al. 2000
GBMS065	GBMS65	1H	60.42	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0103c	Bmag0103	1H	60.42	AAAATATTGGCATGAGCTTAG	ATCAAAGATCACATCCTTCC	Ramsay et al. 2000
Bmag0113c	Bmag0113	1H	60.42	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
Bmag0318b	Bmag0318	1H	60.42	GATGAGGAGCAAGTAGTTCAC	GATGGTAAGGGAAATACATCA	Ramsay et al. 2000
Bmag0770	BMAG0770	1H	60.42	AAGCTCTTTCTTGTATTTCGTG	GTCCATACTCTTTAACATCCG	Ramsay et al. 2000
Bmag0211	Bmag0211	1H	60.42	ATTCATCGATCTTGTATTAGTCC	ACATCATGTCGATCAAAGC	Ramsay et al. 2000
GBM1025	GBM1025	1H	60.42	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1029	GBM1029	1H	60.42	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1004	GBM1004	1H	60.42	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1487	GBM1487	1H	60.42	ACGAGGGAATTGAAGCGAG	GTCCATTTCTCCATCATGC	unpublished
GBMS219a	GBMS219	1H	60.52	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003

GBM1451	GBM1451	1H	60.52	GACTCCTTCATCCACCCCTC	TACGCCGTCGAGTACCTCTC	unpublished
Bmac0144h	Bmac0144	1H	61.06	TACGTGTACATACTCTACGATTTG	ACTTATTCTGCATCCTGGGT	Ramsay et al. 2000
GBM1070	GBM1070	1H	61.06	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1234	GBM1234	1H	61.06	TTCTTCTGACGGCGCTTATT	TATGGGTACCCGCACTTAGC	unpublished
EBmac0659	EBmac0659	1H	61.81	ACCTAGCAAAGTCCAAAGTATCC	GAGAGAGGTTGTACGACTGAGG	Ramsay et al. 2000
GBM1336	GBM1336	1H	63.01	ACTTCTATGGCGCGTAATGC	TACACGCCCAAACAAGTCCT	unpublished
GBM1480	GBM1480	1H	63.30	TCTCTCTGTCCTTGGGTTGC	GCTTTTCGGCTCTCCTTTTT	unpublished
Bmac0090	Bmac90	1H	63.66	ACATCAACCCCTCCTGCTC	CCGCACATAGTGGTTACATC	Ramsay et al. 2000
GBM1216	GBM1216	1H	64.10	ATGGACGGATGCTACTCCAC	TTGATTGGCTTACCTGAGCA	unpublished
EBmac0816	EBmac0816	1H	64.13	ATTACATGGGGAGATGTCTT	GCACATCTACACTTGTGCA	Ramsay et al. 2000
EBmac0405	EBmac405	1H	64.84	ATGTAGCTCGGAATGTGTAGT	CATGTTGGATAAGAGTAGAGGA	Ramsay et al. 2000
Bmac0044	Bmac0044	1H	64.84	TGCCATATCATCTTTCTCAGACA	GGTCAAGGATAGTTGGGTAATCC	Ramsay et al. 2000
HvALAAT	HvALAAT	1H	64.84	TACATAACAACCCCTCATGGG	AAGGATGACATGGCTTTG	Ramsay et al. 2000
EBmac0501	Bmac0501	1H	64.84	ACTTAAGTGCCATGCAAAG	AGGGACAAAAATGGCTAAG	Ramsay et al. 2000
EBmac0695	EBmac0695	1H	65.31	AGTTGGTGACAGCCAAATA	ATCCTAAGACACATTTGCACT	Ramsay et al. 2000
HVM64	HVM64	1H	65.55	GATGTGAAGGCTGCCCTG	ACACGCCCTATTACCCAGTG	Liu et al. 1996
HVM20	HVM20	1H	66.25	CTCCACGAATCTCTGCACAA	CACCGCCTCCTCTTTTAC	Liu et al. 1996
GBMS037	GBMS37	1H	66.52	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1013	GBM1013	1H	67.50	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1072	GBM1072	1H	68.22	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1051	GBM1051	1H	69.17	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0228a	Bmag0228	1H	70.58	TGAGGAGGAGGGAGTAGTC	TCAAGATCATGACATCTCAA	Ramsay et al. 2000
GBM1334	GBM1334	1H	70.69	CCTCTTCCGAATCCATCAAA	GAGTTGGGGACTTTGCTGAC	unpublished
HVM22b	HVM22	1H	71.88	TTTTGGGGGATGCCTACATA	TTTCAAATGGTTGGATTGGA	Liu et al. 1996
Bmac0063	Bmac0063	1H	72.52	AAACATGCACGTCACCTAC	ACAACCACTGCATGAACAT	Ramsay et al. 2000
GBM1153	GBM1153	1H	73.37	CCACCTCCTCGTGCTCTC	GGTCGCAGAGCTGGTAGAAC	unpublished
Bmag0105	Bmag0105	1H	73.47	AATCAGACCCATCAGAGGT	CCGGTCTCATAGAAATGG	Ramsay et al. 2000
Bmac0032	Bmac0032	1H	73.74	CCATCAAAGTCCGGCTAG	GTCGGGCCTCATACTGAC	Ramsay et al. 2000
GBMS017	GBMS17	1H	75.08	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
scssr10477	scssr10477	1H	79.09	AGAGCAATGAGCTCCTACCC	GCTTACTCGTCGTTTAGTCG	Ramsay et al. 2004
GBM1411	GBM1411	1H	79.91	TGCTCTACAAACCGCTGATG	CGGAGTTCAGTTCAGACCGT	unpublished
Bmag0103b	Bmag0103	1H	82.00	AAAATATTGGCATGAGCTTAG	ATCAAAGATCACATCCTTCC	Ramsay et al. 2000
Bmac0154	Bmac0154	1H	87.83	CTGGGTGATGAATAGAGTTTC	TATTCTTCAAAGATGTTCTGC	Ramsay et al. 2000
Bmac0144a	Bmac0144	1H	91.79	TACGTGTACATACTCTACGATTTG	ACTTATTCTGCATCCTGGGT	Ramsay et al. 2000
GBM1092	GBM1092	1H	91.79	GGCAAAGAAATCAAGAATCCG	TATCATCAACCCGGTCCAGT	unpublished
GBM1143	GBM1143	1H	92.93	TCCAACGGCACTAGCAATTT	GAAAATATGAAGGCGGACCA	unpublished

GBM1371	GBM1371	1H	93.12	GCCGTCTCCGACTACTTGC	CCGTAACCTGAACCAGAGGA	unpublished
GBM5162	GBM5162	1H	93.12	GCCGTCTCCGACTACTTGC	CCGTAACCTGAACCAGAGGA	unpublished
Bmag0113h	Bmag0113	1H	93.50	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
GBMS054	GBMS54	1H	97.17	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS128c	GBMS0128	1H	98.92	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1272	GBM1272	1H	99.67	CCGTCCAAAGGGTTTTGATT	CTCTGTAAAGGGAGGCAACG	unpublished
Bmag0382	Bmag382	1H	99.69	TGAAACCCATAGAGAGTGAGA	TCAAAAGTTTCGTTCCAAATA	Ramsay et al. 2000
GBM1002	GBM1002	1H	101.50	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
HvHVA1	HvHVA1	1H	102.49	CATGGGAGGGGACAACAC	CGACCAAACACGACTAAAGGA	Maccaulay et al. 2001
GBMS053	GBMS53	1H	120.62	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS012	GBMS12	1H	123.66	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1278	GBM1278	1H	126.02	CACATCAGTCCGACAACACC	AACCCTGAACGGCTACCAG	unpublished
GBM1308	GBM1308	1H	128.38	GTCCTCCCCTTTCCCCTT	CGAGCTTGTCATCCTCTTC	unpublished
GMS149	GMS149	1H	129.52	ACCCTAACTCATGTTCT	AAGGAACATAGCCAACTC	unpublished
GBM1061	GBM1061	1H	130.75	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
WMC1E8	WMC1E8	1H	131.93	TCATTTCGTTGCAGATACACCAC	TCAATGCCCTTGTTCTGACCT	Ramsay et al. 2000
Bmag0579	Bmag579	1H	132.84	CCTAGATAAGGAACATAGCCA	CAAAGACCCTAACTCATGTTC	Ramsay et al. 2000
scssr02748	scssr02748	1H	133.46	GGTGCATTTGGAAGTCTAGG	ATAGCAAGTGCCAAGTGAGC	Ramsay et al. 2004
GBMS143	GBMS143	1H	134.19	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1461	GBM1461	1H	135.94	AAACCATGCATTCTTCAGAGA	TTTAGACCGACCCGATGAAG	unpublished
GBMS184	GBMS184	1H	135.97	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1434	GBM1434	1H	136.38	CACGAGGCTACAACCCAATC	GTCATCTTCTTGCTGCCTCC	unpublished
GBM1314	GBM1314	1H	138.33	GAGGCCATTCTTTACACCCA	GTCATGGTAAGCCTTCTCG	unpublished
EBmac0783	EBmac0783	1H	138.49	TAGTACGGGGCAGTAGATAGT	TGCATATGTGTGTACTGCTG	Ramsay et al. 2000
scssr04163	scssr04163	1H	139.81	GAAGAAACAACCCAATTCC	AGGATCGTACGAAGAACAGC	Ramsay et al. 2004
scssr08238	scssr08238	1H	139.81	CAGCAGCAGATCAAATCAGG	TACTCTTCTTTGGCCTTG	Ramsay et al. 2004
GBM1204	GBM1204	1H	139.81	ATGATCCCACAACCAACA	TGCATGCTATCGTTCCTGTC	unpublished
GBMS247	GBMS247	2H	8.11	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0134	Bmac0134	2H	10.87	CCAAGTGCATCGATCTCG	CTTCGTTGCTTCTCTACCTT	Ramsay et al. 2000
GBMS031	GBMS31	2H	11.84	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1187	GBM1187	2H	19.51	GCCAAGAGCATCAAGAGGAT	GTGGGGACTATGTCCGGC	unpublished
GBM1281	GBM1281	2H	20.79	CAGCAAGGTCCCAAGTCTC	GGTACTGAGGTGGAGGACGA	unpublished
GBMS090	GBMS90	2H	25.67	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1035	GBM1035	2H	29.46	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1121	GBM1121	2H	29.46	ACCACCCCATCCATCAG	GACTGCACCTTGATGCCGAT	unpublished
HVM36	HVM36	2H	30.97	TCCAGCCGACAATTTCTTG	AGTACTCCGACACCACGTC	Liu et al. 1996

GBM5018	GBM5018	2H	33.20	GTCGGTCGTAGATCGGACTC	CATCATGGAACACTTCCACC	unpublished
GBMS002	GBMS2	2H	37.94	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1052	GBM1052	2H	40.37	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmac0222	Bmac0222	2H	41.60	ATTTGAATGTCCAACAGAATC	GGGACTAAAGCCCCTTAC	Ramsay et al. 2000
GBMS229	GBMS229	2H	43.27	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS235	GBMS235	2H	43.27	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1214	GBM1214	2H	43.27	ATGCTACAGCAAGCATGCAC	TGGTGAGGATGTCCGAGAAC	unpublished
Bmag0692	Bmag0692	2H	46.23	GCAAGGTATCTCTTGATTTTG	TGGCATCTACAATCTAAAACA	Ramsay et al. 2000
GBMS066	GBMS66	2H	46.61	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
scssr10226	scssr10226	2H	46.63	TTCCAAGAGAAAAGTGCATGG	ACATCGCCAGTATGTTTTCC	Ramsay et al. 2004
scssr07759	scssr07759	2H	48.58	GCAACTCCTCATCATCTCAGG	CAACAGCCAGAAGGTCTACG	Ramsay et al. 2004
GBMS137	GBMS137	2H	48.64	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1523	GBM1523	2H	49.26	GCATGATTCAGTAGGCAACG	GTTGTGATGGCCTTGATGTG	unpublished
GBM1066	GBM1066	2H	49.90	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1011	GBM1011	2H	49.90	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmac0218a	Bmac0218	2H	51.14	ATTGCATTGATTAACTCCTACA	GGGGGAATCTTTGTGTAAG	Ramsay et al. 2000
GBM1446	GBM1446	2H	58.13	GAGCACCGAGCTACCTCTCA	CCTGCCTGAAGAAGTCGAAC	unpublished
GBM1251	GBM1251	2H	58.80	CCAGCAATAACAACGTGTGG	TGCTTTTTATTTCCGGAGCG	unpublished
GBMS233	GBMS233	2H	59.22	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HvXan	HvXan	2H	62.69	CAGCCACCTCCATAGTACTT	CTGCTCTAGGCTCGTGTT	Ramsay et al. 2000
scssr03381	scssr03381	2H	63.61	CAGGGACGTACAATATTACCG	AATAAGCAGGGTACCTTTTTGG	Ramsay et al. 2004
Bmac0144g	Bmac0144	2H	63.65	TACGTGTACATACTCTACGATTTG	ACTTATTCTGCATCCTGGGT	Ramsay et al. 2000
GBM1459	GBM1459	2H	64.35	AACACATCCATACTTCCCCG	AGCTGAATAAATGCCCATGC	unpublished
EBmac0615	EBmac0615	2H	65.09	AATTGGTTCGAGTCATAGCT	CTAGTGGGTGTATGCAAGTG	Ramsay et al. 2000
GBM5230	GBM5230	2H	65.16	GAACCGTTCCTTGCAGTTA	GAAAAGGCTGGTCGATTCAA	unpublished
GBM1172	GBM1172	2H	65.84	CGTCAAGCTGAGGGAAAGAT	TGACGACGAAGTTCATGAGG	unpublished
GMS003	GMS003	2H	66.05	TTTCAGCATCACACGAAAGC	TTGCATGCATGCATACCC	Li et al. 2003
HvKASI (HV)	HvKASI	2H	67.01	ATTGGCGTGACCGATATTTATGTTCA	CAAAACTGCAGCTAAGCAGGGGAACA	Becker and Heun 1995
HVM23	HVM23	2H	67.01	TCGGTGAAGAAAATACGAGGC	TCTTTGTAGACCTACCGGTCC	Liu et al. 1996
HVM26	HVM26	2H	67.01	GGCTATCACATTTGGTACCATC	GCATGTGTAGGTGTTGGTGG	Liu et al. 1996
HVM63	HVM63	2H	67.01	CGCGCAAGCATGAATACTC	ACTCACAAGTGGCGCGTAC	Liu et al. 1996
HvTUB	HvTUB	2H	67.01	CATTCTTTACACCCAAGAAAG	CAGTAGAGCTCCCAGCAA	Ramsay et al. 2000
EBmac0849	EBmac0849	2H	67.01	GTTTCCGCATAAAACCAAG	ACATATCTATTGAGGGCTTGA	Ramsay et al. 2000
EBmac0607	EBmac0607	2H	67.01	GCGAACATTGTCATGTTAGTA	AACCTTATGGATTTGGAGG	Ramsay et al. 2000
Bmac0132	Bmac0132	2H	67.01	AACCTCCATAGTGTAGGGG	GTTTGTCTTTTGATTTTGTG	Ramsay et al. 2000
Bmac0175c	Bmac0175	2H	67.01	CTACACCCTACCATATAAACA	CCTCCCCACATACCTTGT	Ramsay et al. 2000

Bmac0576	Bmac0576	2H	67.01	CAATTGTAGCCTAGCTGGTCG	GGGTGTATGCAAGTGGGC	Ramsay et al. 2000
Bmac0578	Bmac0578	2H	67.01	ATAGCTGGATATGCAACTTGAGC	TACATCCAGTCGTTTTTCGCA	Ramsay et al. 2000
Bmag0015	Bmag0015	2H	67.01	TTGAGGGCTGAACACTTCG	GCCCACTGTCAAGGACAATT	Ramsay et al. 2000
EBmac0521	Bmac0521	2H	67.01	TGAAGCACAAAGTGTGGAA	AGACGTATCATTGCCAC	Ramsay et al. 2000
EBmac0557	Bmac0557	2H	67.01	ATGCATGTGTAGATGTAGATGTG	AACAAGGATAAACTAACATGGG	Ramsay et al. 2000
EBmac0623	EBmac0623	2H	67.01	CGAACATTGTCGTGTTAGTAA	CTGTCATGCATAACCTATGG	Ramsay et al. 2000
Bmac0129b	Bmac0129	2H	67.01	ACTGCATGATAGTATATGGAACA	AATCACTAAGGGCACTAGATG	Ramsay et al. 2000
Bmac0093	Bmac0093	2H	67.01	CGTTTGGGACGTATCAAT	GGGAGTCTTGAGCCTACTG	Ramsay et al. 2000
GBM1366	GBM1366	2H	67.22	TCCTCTACATCAGCACGTCG	AAAGGCAGCACCAGTCAGAT	unpublished
GBMS103	GBMS103	2H	67.97	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmac0715	EBmac715	2H	67.97	GCGAACATTGTCATGTTAGTA	TGTCATGCCAGACCTATG	Ramsay et al. 2000
EBmac0640	EBmac0640	2H	68.78	CTCAGTGCGTTACCAGTGC	CCTGTCATGCATAACCTATGG	Ramsay et al. 2000
GBM1158	GBM1158	2H	69.52	CTGTCAGCTCCGATCACAAA	GCAGTAGCCTCTGACGGAAC	unpublished
EBmac0684b	Ebmac0684	2H	69.58	TTCCGTTGAGCTTTCATACAC	ATTGAATCCCAACAGACACAA	Ramsay et al. 2000
GBM1203	GBM1203	2H	69.58	GAACCGTTCCTTGCACTTA	GAAAAGGCTGGTCGATTCAA	unpublished
EBmac0558	EBmac558	2H	69.72	GTGTGTGGTATATGTGTGTTG	TAGCTACACATACAAACCTTGCA	Ramsay et al. 2000
GBMS011	GBMS11	2H	69.72	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmac0854	EBmac0854	2H	70.39	GTCGATATAACGCACCTTCA	ATTCCCTCTAACACACCAAC	Ramsay et al. 2000
GBM1023	GBM1023	2H	70.80	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
scssr00334	scssr00334	2H	70.98	CAAACAGCCACTGTCCTAGC	AGGGCGAGGTAGATGACG	Ramsay et al. 2004
GBM1024	GBM1024	2H	70.98	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
EBmac0525	EBmac0525	2H	70.98	TGACAGTGTCTCCAGTAATGA	GTTTGTCTTTTTGATTTTGTG	Ramsay et al. 2000
scssr12344	scssr12344	2H	71.06	TTCCCTTCCCTCTTCTTTC	AATTTACTGCATATCTTGTTTATTG	Ramsay et al. 2004
Bmag0742	BMAG0742	2H	72.01	AAACAGAGGGTTTTAGTAATGG	AGTGAGATGGCAGTACATAGG	Ramsay et al. 2000
Bmag0518	Bmag518	2H	72.01	AATGCCATGATGTTATTGG	AAGAAGATTACATCGAATAGATCA	Ramsay et al. 2000
GBM1119	GBM1119	2H	72.09	CGTTTCCAAATCCAAGCCTA	GACGAACTTCCGTTTCTTGC	unpublished
GBM1225	GBM1225	2H	72.09	GGGAAAAGATTGAGCAGGTG	GAGATACAAAAGGAGCCCCC	unpublished
GBM1232	GBM1232	2H	72.16	TTGGTTCTAGCCACACCTAAAA	GTTTTTCGTCACACGTCCTT	unpublished
scssr02236	scssr02236	2H	72.30	TTCTTGCTAGTTTGCTAATCG	TGGCGAGGAAGTAGAAGAGG	Ramsay et al. 2004
Bmag0720	BMAG0720	2H	72.46	AAACCGTTTGTATAGCAGC	ATAAGTGAATGCTTCTGAGGA	Ramsay et al. 2000
GBM1218	GBM1218	2H	72.46	TGACTGGCACTCACACACA	AGCGCTTCCATCCTTGACTA	unpublished
Bmag0829	BMAG0829	2H	74.56	TAAAAGCCAAACTCGATAATC	TTGTTGATGAGAAGTTTTGTG	Ramsay et al. 2000
Bmag0115	Bmag0115	2H	75.05	TGATCTGTGAGTAGTTCACCA	AATTGAAGATGCGATGATC	Ramsay et al. 2000
GBMS188	GBMS188	2H	75.19	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS230	GBMS230	2H	75.19	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS160	GBMS160	2H	75.31	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003

GBMS095	GBMS95	2H	75.43	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS202	GBMS202	2H	75.66	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0378	Bmag0378	2H	76.11	CTTTTGTTCCTCGTAGCATCTA	ATCCAAGTATAGTAGCAAAGCC	Ramsay et al. 2000
HVHOTR1	HVHOTR1	2H	76.16	ATGAGCAGTCTTGTCTTAACC	AGTTGGTCGCTAGATCTTATG	Ramsay et al. 2000
Bmag0381	Bmag0381	2H	76.22	TTTTATTATTGCATCTAGGGC	TATCAAGATCATGACGTCTCA	Ramsay et al. 2000
Bmag0140	Bmag140	2H	76.26	GCGATCCCATATACTTGTG	TCGGATTTAAGTATCTCTGGA	Ramsay et al. 2000
Bmag0350a	Bmag0350	2H	76.57	AGCTAGATCTCTGTCTCTGTC	AAGAAACACACCACAAAGATT	Ramsay et al. 2000
Bmag0571d	Bmag0571	2H	76.57	AAGAACACCATATGATCCAAC	ATTGGAGACGTATCATGTACC	Ramsay et al. 2000
GBMS075b	GBMS75	2H	76.90	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmac0850	EBmac0850	2H	78.49	CTCAGATAACACCTTTAAACACA	AAGACAGTTGGGTAAGCCT	Ramsay et al. 2000
Bmag0711	BMAG0711	2H	79.52	GGAGAGTCACATATCAAGGAC	CCACTCCTTCTCATACCTTTA	Ramsay et al. 2000
Bmag0113e	Bmag0113	2H	79.78	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
GBM1365	GBM1365	2H	80.06	GCTTCCCACGGCATAACAC	GGTCATGAGGTACCAGGGAA	unpublished
EBmac0737	EBmac0737	2H	80.10	AGTTGGTGACAGCCAAATA	TTCTAAGGCAGCTCAACC	Ramsay et al. 2000
Bmac0192c	Bmac0192	2H	81.70	GGGTGGTGTGCTTAAAC	TCAACATTCATACTACCACCA	Ramsay et al. 2000
GBM1468	GBM1468	2H	84.06	GTTCTTCTTTGCCTCCTCC	TCCATGGTCCTCTCCTTCAC	unpublished
Bmac0144f	Bmac0144	2H	86.13	TACGTGTACATACTCTACGATTTG	ACTTATTCTGCATCCTGGGT	Ramsay et al. 2000
Bmag0003c	Bmag0003	2H	86.39	GATCAAAGAGAACATGCGAT	GTAGTTCAGCATAGACCTACAGG	Ramsay et al. 2000
Bmac0216	Bmac0216	2H	88.97	GTAATATTCTTTGCTTGGGC	ATACACATGTGCAAAACCATA	Ramsay et al. 2000
Hv5s	Hv5s	2H	88.97	CCTCATTACTTATTTTTGACG	AATGCAACACGAGGACTT	Ramsay et al. 2000
GBM1408	GBM1408	2H	89.44	TTGCATGCCTAAATCTTCCC	AATGCCTTCGCAGTTACCAC	unpublished
Bmac0144i	Bmac0144	2H	89.83	TACGTGTACATACTCTACGATTTG	ACTTATTCTGCATCCTGGGT	Ramsay et al. 2000
Bmag0125	Bmag0125	2H	89.83	AATTAGCGAGAACAAAATCAC	AGATAACGATGCACCACC	Ramsay et al. 2000
EBmatc0039	EBmatc0039	2H	93.26	TAGTCTCTTCATTTATACCATCACC	CATGCTGATCCCCCTTCT	Ramsay et al. 2000
GBM1328	GBM1328	2H	93.65	TGTGTTGTCCCCCAAATACC	CTGAACGGCATCGTCATGT	unpublished
GBM1062	GBM1062	2H	95.73	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1440	GBM1440	2H	96.34	CTACCGAGCTCCTCCTCCTC	GGCCTCCTTCTTGTCGTAGA	unpublished
Bmac0144b	Bmac0144	2H	99.81	TACGTGTACATACTCTACGATTTG	ACTTATTCTGCATCCTGGGT	Ramsay et al. 2000
GBMS244	GBMS244	2H	102.68	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1208	GBM1208	2H	102.85	CTACCGAGCTCCTCCTCCTC	GGCCTCCTTCTTGTCGTAGA	unpublished
GBM1309	GBM1309	2H	107.18	ATAACTCTTCGTGCCGAACC	ACGTAGACCTCCACCACCTG	unpublished
GBM1149	GBM1149	2H	107.89	GCAGCAACGAGCTGTGACTA	CTGTACATGAAGACGTCGCTG	unpublished
GBM1469	GBM1469	2H	112.74	GGGTACGAGGCTTATGGACA	ATGAGGCGATCAAAAATCAGG	unpublished
EBmac0415	Ebmac0415	2H	117.86	GAAACCCATCATAGCAGC	AAACAGCAGCAAGAGGAG	Ramsay et al. 2000
GBM1016	GBM1016	2H	117.86	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBMS040	GBMS40	2H	118.53	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003

HVM54	HVM54	2H	122.41	AACCCAGTAACACCTGTCCTG	AGTTCCTGACCCGATGTC	Liu et al. 1996
GBM1437	GBM1437	2H	122.85	ATTCCACTCGCCATTGTTTC	CACTCCGGATTGATGCTCTT	unpublished
GBM1200	GBM1200	2H	124.80	ACGATGCAAACAACAAGCAC	AATAATAATCGGTGCGGCAG	unpublished
GBM1498	GBM1498	2H	125.71	TGCTCCAACCCAAAAGCTAC	GAAGACGACGAGCGGTACTC	unpublished
GBM1047	GBM1047	2H	129.66	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1462	GBM1462	2H	137.85	CTGTGGCTAAAGAAGGCACC	AAGATTGCTGCAGGATAGGC	unpublished
GBM1019	GBM1019	2H	138.70	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0749	Bmag0749	2H	147.93	CGGATTCTTGAGTAGTCTCTG	GATCTGTTTTTGTAGAACATGC	Ramsay et al. 2000
GBM1475	GBM1475	2H	149.47	CAACTACCAATATCGCCCGT	AGACAGACCCATCCCTCCTT	unpublished
GBM1012	GBM1012	2H	149.81	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBMS216	GBMS0216	2H	153.52	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS128b	GBMS0128	2H	155.98	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1421	GBM1421	2H	156.38	TGTCTGTTTCAATCCATTCCAG	TGCAGTTACTAATCCGCGTG	unpublished
GBM1036	GBM1036	2H	156.39	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
scssr08447	scssr08447	2H	156.49	AAATTTGTATTGGCTGGTTC	ACAAAAGCAAACCCTAGACC	Ramsay et al. 2004
GBM1280	GBM1280	3H	3.83	CTTCTTCTTCTTGTGGGCG	AAGGGATCAGTTTGGTTCCC	unpublished
GBMS085	GBMS85	3H	8.45	AGTTCATTCGCTCATG	TCTTTTCGTGCTCGGTCA	unpublished
GBM1450	GBM1450	3H	13.94	AAGGTGGCGGAGTTCTACCT	ATCGACCAGTGGAGCACATA	unpublished
GBM1078	GBM1078	3H	15.39	GGGCCTCCTTTCTCTCTCTC	CCTTCTGCCTCCTCCTCAAT	unpublished
GBM1382	GBM1382	3H	16.32	TCTCAACTCACATGGCTTGG	GATTGATGGATTGATTGCC	unpublished
GBM1010	GBM1010	3H	17.38	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
EBmac0705	EBmac0705	3H	20.49	GTGGAAAACCTGAGTGAACTC	TTGAGGAGAAGTAATGACGAT	Ramsay et al. 2000
HvLTPPB	HvLTPPB	3H	20.49	AGACGCTGAGTACGTTGAG	CAAAGTACAACAACTCACGA	Ramsay et al. 2000
GBM1040	GBM1040	3H	20.49	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1073	GBM1073	3H	20.49	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1074	GBM1074	3H	20.49	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1159	GBM1159	3H	20.49	GATTCGCTGATCGACCACTT	ATCGATAACAACAGTGTGCCG	unpublished
EBmac0565b	EBmac0565	3H	20.49	ATTTGAATGTCCAACAGAATC	AATTGATAAGTTACTGACACAG	Ramsay et al. 2000
scssr10559	scssr10559	3H	23.26	CATTTCTCTCCCCTTGC	CTCACCTCTGCCGATCC	Ramsay et al. 2004
GBM1284	GBM1284	3H	31.95	GTAGGGGTCGGGCTCTTG	TCAATCATGGAGTTCCCTCAC	unpublished
Bmag0023	Bmag0023	3H	46.28	AACACAGACCTACGGGTC	CATGAGATAGATCCAAGCAC	Ramsay et al. 2000
GBM1300	GBM1300	3H	47.34	TGGATGCTCCTCCCAATTA	ATGCATGTTGTGCCCAAGTA	unpublished
GBMS046	GBMS46	3H	49.46	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS157	GBMS157	3H	49.54	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1413	GBM1413	3H	49.69	GGGTGATTTCCAGGTTTTT	TTGAGAAAACCACACCCACA	unpublished
Bmac0067	Bmac0067	3H	49.76	AACGTACGAGCTCTTTTTCTA	ATGCCAACTGCTTGTTTAG	Ramsay et al. 2000

GBMS057	GBMS57	3H	49.84	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS117	GBMS117	3H	49.84	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS166	GBMS166	3H	49.84	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS139b	GBMS139	3H	49.84	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0010c	Bmag0010	3H	50.14	AGTAGTTCACCCCTTGGGGCT	AGCACGTGATACATCAAGAACG	Ramsay et al. 2000
Bmag0006	Bmag006	3H	50.14	TTAAACCCCCCCCCCTCTAG	TGCAGTACTATCGCTGATTTAGC	Ramsay et al. 2000
GBM1031	GBM1031	3H	50.26	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1425	GBM1425	3H	50.55	CCTCCCCTGCTGCTATAAGA	CCTCGGTCTTGAACCTTCTCG	unpublished
Bmac0043	Bmac0043	3H	50.57	ACGTTACCCCTATATGACAAG	TGGGTAATCCTGGTTAAACTA	Ramsay et al. 2000
GBMS185	GBMS185	3H	50.57	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS198	GBMS198	3H	50.57	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS189	GBMS189	3H	50.57	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS223b	GBMS223	3H	50.57	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS050	GBMS50	3H	50.67	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0905	BMAG0905	3H	50.87	TTTATCTCCCCCTAGATAGAAG	TCTCCGTATATTTAGGAAACG	Ramsay et al. 2000
HVM27	HVM27	3H	51.00	GGTCGGTCCCGGTAGTG	TCCTGATCCAGAGCCACC	Liu et al. 1996
GBMS149	GBMS149	3H	51.05	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HVM44	HVM44	3H	51.06	AAATCTCAGGTTTCGTGGGCA	CCACGGAGACCACCTCACTT	Liu et al. 1996
Bmag0121b	Bmag0121	3H	51.06	ATAAGATAGGTCACCGCAATA	AGTAGTTC AATACAGACCTACAGG	Ramsay et al. 2000
Bmag0131	Bmag131	3H	51.06	TTTCAGAAACGGAGTTTTG	CCTCCACACAAAAAATCC	Ramsay et al. 2000
GBMS110	GBMS110	3H	51.28	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1444	GBM1444	3H	51.46	AGGGATGCTCTTGAGTCGTG	ACCACAGGTAACCTCGCAAC	unpublished
GBMS147	GBMS147	3H	51.61	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS089	GBMS89	3H	51.61	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS140	GBMS140	3H	51.80	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0273c	Bmac0273	3H	52.02	ACAAAGCTCGTGGTACGT	AGGGAGTATTTACCCCTTG	Ramsay et al. 2000
GBM1139	GBM1139	3H	52.02	GCACACACAATGGGAAACAG	CGACTAATGAGGGGAAGGCAG	unpublished
GBM1213	GBM1213	3H	52.03	AAAGCTACGACCGACAAGGA	GTCATCTCAGTCCCTACCGC	unpublished
Bmag0136	Bmag0136	3H	52.09	GTACGCTTTCAAACCTGG	GTAGGAGGAAGAATAAGGAGG	Ramsay et al. 2000
GBMS048	GBMS48	3H	52.17	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0192b	Bmac0192	3H	52.39	GGGTGGTGTGCTTAAAC	TCAACATTCATACTACCACCA	Ramsay et al. 2000
Bmac0209	Bmac0209	3H	52.39	CTAGCAACTTCCCAACCGAC	ATGCCTGTGTGTTGGACCAT	Ramsay et al. 2000
Bmac0129a	Bmac0129	3H	52.39	ACTGCATGATAGTATATGGAACA	AATCACTAAGGGCACTAGATG	Ramsay et al. 2000
Bmag0508a	Bmag0508A	3H	52.56	TCTCCGTATATTTAGGAAACG	TATCTCCCCCTAGATAGAAGG	Ramsay et al. 2000
GBM1094	GBM1094	3H	52.67	GGTATAATCGGCAGAAGCCA	GAGGTCACAAGCTCTACGCC	unpublished
Bmag0122	Bmag0122	3H	52.73	AGGGAGGATTAATCACGG	AAGATGTGATGATCATTGTATTG	Ramsay et al. 2000

GBMS212	GBMS212	3H	52.78	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0482c	Bmag0482	3H	52.82	TATATGTCGGGAGAGATCAAG	ATAGTTTAGCCCTCCACTAGC	Ramsay et al. 2000
Bmag0828	BMAG0828	3H	52.82	CATCTCCTAAGGTTTATCTTTGA	AGATCGTGACCTCTCAAGAC	Ramsay et al. 2000
Bmag0482a	Bmag0482	3H	52.91	TATATGTCGGGAGAGATCAAG	ATAGTTTAGCCCTCCACTAGC	Ramsay et al. 2000
Bmag0138a	Bmag0138	3H	52.99	ACCAGGAGGAATGAGAGAG	AATAAACCTTGAGACGATGG	Ramsay et al. 2000
GBM1123	GBM1123	3H	53.24	CTCCCTGCTTGAGCTTTGG	ACCTTCGATCTTCTGGAGCA	unpublished
Bmag0113b	Bmag0113	3H	53.57	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
Bmag0318a	Bmag0318	3H	53.57	GATGAGGAGCAAGTAGTTCAC	GATGGTAAGGGAAATACATCA	Ramsay et al. 2000
Bmag0350b	Bmag0350	3H	53.57	AGCTAGATCTCTGTCTCTGTGTC	AAGAAACACACCACAAAGATT	Ramsay et al. 2000
GBMS203a	GBMS203	3H	54.05	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0603	Bmag603	3H	54.55	ATACCATGATACATCACATCG	GGGGGTATGTACGACTAACTA	Ramsay et al. 2000
GBM1242	GBM1242	3H	55.43	TGCAATATTATGCACACAAAATCA	AGCAAAGGAGGAGGAGGAAG	unpublished
EBmac0871	EBmac0871	3H	57.62	TGCCTCTGTTGTGTTATTGT	CCCCAAGTGAACATTGAC	Ramsay et al. 2000
GBM1110	GBM1110	3H	60.27	CACCGAAGAAAATCCACCAT	CACGCAAGCTTAGAACCTCC	unpublished
GBM1163	GBM1163	3H	60.27	GAGTAGCTTGGACTCGTCGG	AAGGACAGGCCCTTGTTGT	unpublished
GBM1495	GBM1495	3H	62.57	ATTGCATCCGCTACCAGAGT	AAGGACAGGCCCTTGTTGT	unpublished
GBMS102	GBMS102	3H	62.99	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HVM33	HVM33	3H	65.50	ATATTA AAAAAGGTGGAAAGCC	CACGCCCTCTCCCTAGAT	Liu et al. 1996
Bmag0112	Bmag0112	3H	65.50	CCCGTGATATATTAAGATCATG	AGGGGGAGATCTTCTCTG	Ramsay et al. 2000
Bmac0127b	Bmac0127	3H	65.50	AACTATGTCCAGTCGTTTCC	CTTGTCGTATCATCTTATTGAGA	Ramsay et al. 2000
GBM1253	GBM1253	3H	66.38	CCACAAACCCCGTAACTC	CTCGTTGGAGAGGAGGGAG	unpublished
GBM1162	GBM1162	3H	67.36	AACGCCTTGCCTATCATTTG	CTACTACCTGGTTCTCGCGG	unpublished
GBMS022	GBMS22	3H	68.01	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
scssr25691	scssr25691	3H	68.16	ACGAGCTGATATCCCACGAG	TCCGAGCTTCTTATCTTTGG	Ramsay et al. 2004
GBM1090	GBM1090	3H	68.32	CTGCCCTAGAAAATGGCGTAG	TGTGCAACTCAATAACCCCA	unpublished
GBM5047	GBM5047	3H	68.32	CTGCCCTAGAAAATGGCGTAG	TGTGCAACTCAATAACCCCA	unpublished
GMS116A	GMS116	3H	69.16	GAAAGACTGACAGGCGGAAG	TTTCTTTGTTGTGTGTGCAGTG	Struss and Plieske 1998
HVM60	HVM60	3H	73.19	CAATGATGCGGTGAACTTTG	CCTCGGATCTATGGGTCCTT	Liu et al. 1996
Bmag0225	Bmag0225	3H	75.54	AACACACCAAAAATATTACATCA	CGAGTAGTTCCTCATGTGAC	Ramsay et al. 2000
GBM1034	GBM1034	3H	75.54	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBMS074	GBMS74	3H	78.37	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS204	GBMS204	3H	80.52	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS045	GBMS45	3H	80.52	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1405	GBM1405	3H	86.33	TACACGCACTGAAAAGACGG	CTCGCTGCTGAGTTTGTCTG	unpublished
GBM1014	GBM1014	3H	87.47	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1233	GBM1233	3H	89.66	TTAACCCCAATGTCAGGAA	AATGTGTTCACTGTGGCTGC	unpublished

GBM1043	GBM1043	3H	90.39	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0841	BMAG0841	3H	91.21	GGAAAGTACTTCAAACCTGAA	CTTACAAGATGATGAGAACGA	Ramsay et al. 2000
Bmag0010b	Bmag0010	3H	93.23	AGTAGTTCACCCCTTGGGGCT	AGCACGTGATACATCAAGAACG	Ramsay et al. 2000
Bmag0606	Bmag606	3H	101.77	CTATTTGTAATGTATGTATGTCCC	TCATTGGTCCAGATAATACAA	Ramsay et al. 2000
GBM1226	GBM1226	3H	102.22	CGTTCCCACTTGAAATTGA	GTGACGGAAGGCAGAGTAGG	unpublished
Bmag0306b	Bmag0306	3H	104.15	ATGTACAAGTAGCTATGTGTTTGA	CACATCAAGATAACAAGAGAAGA	Ramsay et al. 2000
Bmag0013	Bmag0013	3H	113.70	AAGGGGAATCAAATGGGAG	TCGAATAGGTCTCCGAAGAAA	Ramsay et al. 2000
GBM1118	GBM1118	3H	122.54	GACCGGAGCAGATCTTTGAG	CTCCTCCTCCTCGGACTCTT	unpublished
GBM1037	GBM1037	3H	122.84	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0877	BMAG0877	3H	124.98	AAAGCTCATGGTAGATCAAGA	TAGTTTTCCCAAAGCTTCTA	Ramsay et al. 2000
GBM1050	GBM1050	3H	128.98	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1056	GBM1056	3H	128.98	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1059	GBM1059	3H	128.99	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBMS038	GBMS38	3H	131.31	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1288	GBM1288	3H	134.92	AGCTTGTCCTTCTTCTT	CGCTGTACACCTCCCTGAG	unpublished
Bmac0144k	Bmac0144	3H	136.17	TACGTGTACATACTCTACGATTG	ACTTATCTGCATCCTGGGT	Ramsay et al. 2000
EBmac0541	EBmac541	3H	137.16	ACGGATCTACTTTAGCTAGCA	AAACAACCCACACAATC	Ramsay et al. 2000
HVM62	HVM62	3H	139.43	TCGCGACCAGACGAGAAG	AGCTAGCCGACGACGCAC	Liu et al. 1996
EBmac0708	EBmac0708	3H	142.33	AATTTTTGTTTCCCATGC	AGCCCTATTGTCACAGTTTT	Ramsay et al. 2000
Bmag0853	BMAG0853	3H	144.10	ACAAGTATCCTGCAAACCTAA	CGACCTTCTTAATGGTTAGTG	Ramsay et al. 2000
GBM1046	GBM1046	3H	144.10	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
EBmag0705	EBmag705	3H	145.35	TCCTGTAGTCCTCTTTGTTTC	TATATTACACATGGAGAGAGAGG	Ramsay et al. 2000
GBM1238	GBM1238	3H	146.66	GTCCAGTTTCAGCCACCAAC	ACCGCAGTGATCAGTGACAA	unpublished
HVM70a	HVM70	3H	150.63	CCGCCGATGACCTTCTC	ACCCACGACCTATGGCAC	Liu et al. 1996
GBM1420	GBM1420	3H	152.53	GGATCTCCCCATTCTTTCAC	TTTCTGGTCCTTTGATTTCGG	unpublished
Bmac0029	Bmac0029	3H	156.87	contact at robbie.waugh@sari.scri.ac.uk	contact at robbie.waugh@sari.scri.ac.uk	Commercialised
GBMS138	GBMS138	3H	156.87	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
scssr25538	scssr25538	3H	157.51	CCTCCCCTACTCTCTTCTCTCC	GAGTGTACTGCCGATTTGC	Ramsay et al. 2004
GBM1069	GBM1069	3H	157.51	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1501	GBM1501	4H	0.00	TGTGGACAGTCAAACACGCT	AAGGAGCACCTGAAAAGCAA	unpublished
GBMS028	GBMS28	4H	4.93	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1221	GBM1221	4H	14.65	ACCAGCAATCCAAGTTACGG	TGCCCTGGTCTTGGTGTGTA	unpublished
GBM1465	GBM1465	4H	17.06	ATTGCATCAACCACTACGGC	CAGGACAGCAGAGACCACAA	unpublished
GBM1525	GBM1525	4H	17.06	ACGAGGGCGAGAAAGAGAG	CAGGAGAGCTGGGAGTTGAA	unpublished
GBM1055	GBM1055	4H	18.43	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
HVM40	HVM40	4H	22.40	CGATTCCCCTTTTCCCAC	ATTCTCCGCCGTCCTCACTC	Liu et al. 1996

Bmac0273d	Bmac0273	4H	22.40	ACAAAGCTCGTGGTACGT	AGGGAGTATTTACCCTTG	Ramsay et al. 2000
GBMS114	GBMS114	4H	26.49	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1252	GBM1252	4H	27.35	GCACGAGGGGTATAAGTCCA	GACGTTGAGAGCCGAGGA	unpublished
GBM1323	GBM1323	4H	28.96	GCTCTCCAGGGTTTCGTTTC	CACCGTCTTGCAGTTGAGAC	unpublished
GBM1482	GBM1482	4H	36.81	GAGAGCTAGCCACCATTGTC	GACAGGTCGAGGCTGAGAAG	unpublished
HVKNOX3	HVKNOX3	4H	40.19	ACCCCAAAAAGAAAGGAG	ATTAGAGGGAAGGGGATG	Ramsay et al. 2000
GBMS087	GBMS87	4H	41.26	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
scssr20569	scssr20569	4H	44.87	ATCGAGCACCTACGAACC	TTGCATAGCGGAAGTAATCC	Ramsay et al. 2004
HvOLE	HvOLE	4H	45.76	GATGGATGTCAGTCGGTC	ATGAGCAGTAGTACAACCTAAGC	Ramsay et al. 2000
Bmag0740	BMAG0740	4H	50.86	ATTGTCATGGAGGTGAGTG	AAGAACCACATATGACTCGAC	Ramsay et al. 2000
GBM1028	GBM1028	4H	50.86	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBMS029	GBMS29	4H	51.20	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0014	Bmag0014	4H	52.48	GCAGGGGTTGAACATCTCAT	CACAGGGAACAGCTATGACC	Ramsay et al. 2000
GBMS203b	GBMS203	4H	53.04	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS133	GBMS133	4H	53.04	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0808	BMAG0808	4H	53.04	TCATAGACTACGACGAAGATG	TCTTTGGATGTGTGTTACTG	Ramsay et al. 2000
GMS089	GMS89	4H	53.04	TGAAGTGGAAGGCTTCGC	GCTCTCGTTGTGCGGAG	Struss and Plieske 1998
Bmag0110b	Bmag0110	4H	53.20	ACGAGGAGGGACTAGTACAC	CCAACCTATATTAACAAGGCTCA	Ramsay et al. 2000
GBM1452	GBM1452	4H	54.87	GGAACCCATCTTACACCTGG	CCAAAGCAAAAAGTTCGGAG	unpublished
EBmac0906	EBmac906	4H	54.98	CAAATCAATCAAGAGGCC	TTTGAAGTGAGACATTTCCA	Ramsay et al. 2000
Bmag0113g	Bmag0113	4H	56.28	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
EBmac0691	EBmac0691	4H	56.31	TTAACAGAGGGCATTGGT	TCCTTTTCTCCATTTGAGTT	Ramsay et al. 2000
Bmag0350d	Bmag0350	4H	56.76	AGCTAGATCTCTGTCTCTGTGTC	AAGAAACACACCACAAAGATT	Ramsay et al. 2000
GBM1236	GBM1236	4H	57.15	GGTCACCTCCTCCTGAGTTG	GAGGATTCGCTCAAAGTTGC	unpublished
GBM1422	GBM1422	4H	57.15	AGCGAGACCCCTCACTTAT	GCCTGTGGGTTTCATCAGTCT	unpublished
GBM1364	GBM1364	4H	57.23	TGCAGAAGATGCTGGATGAC	GTAAGGGGCGACACGAGTT	unpublished
EBmag0781	Bmag0781	4H	57.42	CTATTTTCTAATGCTTGGACC	TGTCTAGTTCATCATCATTGC	Ramsay et al. 2000
Bmag0218	Bmag0218	4H	57.50	CATAGAGAGGGAGGGAGAG	TCAACCTTACTGCATCTTTG	Ramsay et al. 2000
Bmag0306a	Bmag0306	4H	57.50	ATGTACAAGTAGCTATGTGTTTGA	CACATCAAGATAACAAGAGAAGA	Ramsay et al. 2000
Bmac0303c	Bmac0303	4H	57.50	CCTCCAAGATTAGATCTCTCTC	CCGTATATTTAAGAAATGGTGA	Ramsay et al. 2000
Bmag0375	Bmag0375	4H	57.50	CCCTAGCCTTCCTTGAAG	TTACTCAGCAATGGCACTAG	Ramsay et al. 2000
Bmag0384	Bmag0384	4H	57.50	TGTGAGTAGTTACCATAGACC	TGCCATTATCATTGTATTGAA	Ramsay et al. 2000
GBM1067	GBM1067	4H	57.91	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
HVM03	HVM03-337	4H	58.33	ACACCTTCCCAGGACAATCCATTG	AGCACGCAGAGCACCGAAAAAGTC	Liu et al. 1996
scssr18005	scssr18005	4H	58.33	TCCTCACACAGAGAGAAGTGC	CCCACACGGTGTAGTAGAGG	Ramsay et al. 2004
EBmac0540	Bmac0540	4H	58.51	TGTGTAGGTGTAGATGGTGTG	TTGTCACACTAACATAGAGAAATG	Ramsay et al. 2000

EBmacc0009	EBmacc0009	4H	58.51	TCACAACAACAACAACAGCC	AACAGCTTTGGTTGTGGGT	Ramsay et al. 2000
Bmac0047b	Bmac0047	4H	58.51	AACACACGTACACAAATACACA	ACGTCCATCACTTTGACC	Ramsay et al. 2000
Bmac0084	Bmac0084	4H	58.51	CTTGTGCCCTTTGATGCAC	CATAACTTGAGGATGTGTGTGACA	Ramsay et al. 2000
Bmac0297b	Bmac0297	4H	58.51	ATAGAGGGGGTGAAGAATAAC	AATAAGTGAATGATGTTGAGGA	Ramsay et al. 2000
Bmac0297d	Bmac0297	4H	58.51	ATAGAGGGGGTGAAGAATAAC	AATAAGTGAATGATGTTGAGGA	Ramsay et al. 2000
Bmac0298	Bmac0298	4H	58.51	ACAACCACACAAGGTTGTC	TTCCAGTTTCAGTCTCTTCAT	Ramsay et al. 2000
Bmac0299	Bmac0299	4H	58.51	ATAGATGGTAATCATAAGAACAGG	ACTATGACTAGTCGTTTCCACA	Ramsay et al. 2000
Bmac0577	Bmac0577	4H	58.51	TCATACAGAAGCCCACACAG	TGCATGTTCACTTAGACAGG	Ramsay et al. 2000
Bmac0181	Bmac181	4H	58.51	ATAGATCACCAAGTGAACCAC	GGTTATCACTGAGGCAAATAC	Ramsay et al. 2000
EBmac0669	EBmac0669	4H	58.52	TCTACACTACACATGTTATCTTGC	GTGTTGATCTTCCTCCTAGTG	Ramsay et al. 2000
Bmag0344b	Bmag0344	4H	58.52	GATCCAACATATTAACAAAGCC	TGAGGGTATGTACCACTAGCT	Ramsay et al. 2000
Bmac0030	Bmac0030	4H	58.60	CCCAATCGGAGTTACAGATG	GCCTCTTGAGAATGGATC	Ramsay et al. 2000
Bmac0144d	Bmac0144	4H	58.61	TACGTGTACATACTCTACGATTTG	ACTTATCTGCATCCTGGGT	Ramsay et al. 2000
GBMS049	GBMS49	4H	58.71	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0192d	Bmac0192	4H	58.80	GGGTGGTGTGCTTAAAC	TCAACATTCATACTACCACCA	Ramsay et al. 2000
HVM13	HVM13	4H	58.95	AGTAGCTATGTGTTGGATCGC	CATCAAGGGCATCTCATG	Liu et al. 1996
HVM77	HVM77	4H	58.95	GAAATTTGGTGTATGATGGTT	CAAATCTTAAATCTCTGTGTT	Liu et al. 1996
GBMS081	GBMS81	4H	58.96	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS150	GBMS150	4H	59.79	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0490	Bmag490	4H	62.19	TGATACATCAAGATCGTGACA	GGGACTGAGTGTATGAATGAG	Ramsay et al. 2000
HVM68	HVM68	4H	62.52	AGGACCGGATGTTTATAACG	CAAATCTTCCAGCGAGGCT	Liu et al. 1996
GBM1509	GBM1509	4H	63.21	CAATCGTTGTCCAGAACCCT	GGCCGACAAATATGCTTCAT	unpublished
Bmac0186	Bmac0186	4H	63.89	GTTGTTACGTGTGTGTCTGC	CGCAACCTTACATCAACAC	Ramsay et al. 2000
GBM1020	GBM1020	4H	64.05	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmac0310	Bmac310	4H	64.37	CTACCTCTGAGATATCATGCC	ATCTAGTGTGTGTTGCTTCCT	Ramsay et al. 2000
EBmac0775	EBmac0775	4H	64.37	GCTTCCTTCATAGACCCAT	ATATCATGCCAATGGTGTC	Ramsay et al. 2000
GBM1071	GBM1071	4H	64.47	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0353	Bmag0353	4H	65.01	ACTAGTACCCACTATGCACGA	ACGTTCAATAAAATCACAACCTG	Ramsay et al. 2000
Bmac0175a	Bmac0175	4H	66.40	CTACACCCTACCATATAAACA	CCTCCCCACATACCTTGT	Ramsay et al. 2000
GBMS015	GBMS15	4H	66.75	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1299	GBM1299	4H	72.04	GATCCCCCTAAAAGCAGACC	CTGCCTAGTCCCTGCATCTC	unpublished
GBM5210	GBM5210	4H	72.93	CACACAAAAGCTGACTTAATTGG	TGGAAACCAAGCCTTACCTG	unpublished
EBmac0658	EBmac0658	4H	75.59	GTATGCAAGTGTAGGTGTGTG	CATGGGTTTACCCACATAC	Ramsay et al. 2000
GBM1350	GBM1350	4H	78.23	GTCCCTGCATCCTCTCCC	CGTTATGTTGAAGCAGCCCT	unpublished
scssr14079	scssr14079	4H	78.92	AAAATAAGGTTTCTTGTCTTGG	GAAACCCTGTTGAAGTACGG	Ramsay et al. 2004
GBM1003	GBM1003	4H	79.53	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003

GBM1044	GBM1044	4H	79.53	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1009	GBM1009	4H	79.72	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBMS190	GBMS190	4H	80.30	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmac0635	EBmac635	4H	93.06	TGCTGCGATGATGAGAACT	TAGGGTAGATCCGTCCCTATG	Ramsay et al. 2000
EBmac0679	EBmac679	4H	94.50	ATTGGAGCGGATTAGGAT	CCCTATGTCATGTAGGAGATG	Ramsay et al. 2000
MGB84 (HVBA1	MGB84 (HVBA1	4H	95.92	CAAGCAAAAGGTTAAAGGTGCC	TTGTGCAAACCCATCCGCTC	Pillen et al. 2000
EBmac0701	Ebmac0701	4H	96.17	ATGATGAGAACTCTTCACCC	TGGCACTAAAGCAAAAGAC	Ramsay et al. 2000
EBmac0788	EBmac788	4H	97.67	TAACCTACTTTATATCCATGGCA	ATGATGAGAACTCTTCACCC	Ramsay et al. 2000
GBM1220	GBM1220	4H	99.86	GCTACCAGAACCCAGGAACA	TGAGCAACCTGAAACTGTGC	unpublished
GBM1048	GBM1048	4H	101.05	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
HVMLOH1A	HVMLOH1A	4H	102.27	CCTCCCCTCTGATATGATAA	GTACAGACGGTTTAATTGTCC	Ramsay et al. 2000
GBM1448	GBM1448	4H	113.17	GTATGACACCCGATCCATCC	CAAAATTTGGGACCTGAGGA	unpublished
GBM1015	GBM1015	4H	115.94	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
WMS6	WMS6	4H	116.36	CGTATCACCTCCTAGCTAAACTAG	AGCCTTATCATGACCCTACCTT	Liu et al. 1996
GBMS128a	GBMS128	4H	120.50	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HVM67	HVM67	4H	120.50	GTCGGGCTCCATTGCTCT	CCGGTACCCAGTGACGAC	Liu et al. 1996
GBM1388	GBM1388	4H	122.35	ACGCACAGATACGTACACGC	GCCCCCTCCTAGAACAACA	unpublished
Bmag0138b	Bmag0138	4H	124.00	ACCAGGAGGAATGAGAGAG	AATAAACCTTGAGACGATGG	Ramsay et al. 2000
GBM1324	GBM1324	4H	125.51	GTCGACTCTCGCTCCAGG	CCTTGGGGTACAGGATGTTG	unpublished
GBM1453	GBM1453	4H	132.27	ATGCCCACTTGATGATGGAT	TGCATCTACGTACAGTGTGGTG	unpublished
GBM1018	GBM1018	4H	132.69	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
scssr02306	scssr02306	5H	6.13	TGCCTTGTTTTATGTAATATCTTGTG	GGCGTAAATAAGAGTGTCTTCAG	Ramsay et al. 2004
GBM1176	GBM1176	5H	18.59	TATACATCAGCGGGCCTTTT	CTCCAACCTCGAAAGAGTC	unpublished
scssr07106	scssr07106	5H	20.44	GCGCTGTCTCTTCTATGTGC	AGGTGCTCCTAATCTGATGG	Ramsay et al. 2004
GBM5028	GBM5028	5H	27.41	TTCCTCTCCGCCATACATA	TTGCAGAAGTTGCAGTGGAC	unpublished
GBMS032	GBMS32	5H	36.89	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0163	Bmac163	5H	37.74	TTTCCAACAGAGGGTATTTACG	GCAAAGCCCATGATACATACA	Ramsay et al. 2000
GBMS070	GBMS70	5H	38.09	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS156	GBMS156	5H	39.57	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS115	GBMS115	5H	40.05	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmac0970	EBmac0970	5H	40.77	ACATGTGATACCAAGGCAC	TGCATAGATGATGTGCTTG	Ramsay et al. 2000
HVM30a	HVM30	5H	41.93	AGTGGGGAATGAGAGAATGG	TGCTTGTTGGTTCATCACAC	Liu et al. 1996
scssr02503	scssr02503	5H	42.39	AACAACCTTTTGATGGACAAACC	TGCTTTTTCTTTTTGCTCTGC	Ramsay et al. 2004
GBM1229	GBM1229	5H	42.52	GGGACCCAGCCAAATTTTA	GGTTGCTGCTGGGTATGTTT	unpublished
Bmac0273b	Bmac0273	5H	42.83	ACAAAGCTCGTGGTACGT	AGGGAGTATTTACCCTTG	Ramsay et al. 2000
Bmac0047e	Bmac0047	5H	42.83	AACACACGTACACAAATACACA	ACGTCCATCACTTTGACC	Ramsay et al. 2000

scssr18076	scssr18076	5H	42.83	CAGCTAGTCGCGCATTG	GAGTCCACTGCTGCCTTG	Ramsay et al. 2004
GBM1039	GBM1039	5H	42.83	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0751	BMAG0751	5H	42.87	CACTGCAAATATTTAAATGGA	GATCTACTGGTCCATAGTTGC	Ramsay et al. 2000
EBmac0560d	Ebmac0560	5H	43.76	CATATGTGTGCAAGTGTGC	AGATCCATGAGGTTGTGC	Ramsay et al. 2000
GBM1325	GBM1325	5H	44.59	GCTCCCGTCAAAACCCCT	GCAGATGGCTTTTCTGCTTC	unpublished
GBM1508	GBM1508	5H	44.82	CTCTCGACCCAAATCCCT	GCAGATGGCTTTTCTGCTTC	unpublished
Bmag0394	Bmag0394	5H	44.99	AATTCATCACAACAAGATAGGA	AATTGATCTCCCTCTCTATG	Ramsay et al. 2000
Bmag0337	Bmag0337	5H	44.99	ACAAAGAGGGAGTAGTACGC	GACCCATGATATATGAAGATCA	Ramsay et al. 2000
Bmag0387	Bmag0387	5H	44.99	CGATGACCATTGTATTGAAG	CTCATGTTGATGTGTGGTTAG	Ramsay et al. 2000
GBM1222	GBM1222	5H	45.12	ACTTTTGTATGGACAAACCGC	TTTCCAGTCAGTCAGTCCCA	unpublished
Bmac0144e	Bmac0144	5H	46.88	TACGTGTACATACTCTACGATTG	ACTTATCTGCATCCTGGGT	Ramsay et al. 2000
EBmac0560b	Ebmac0560	5H	48.21	CATATGTGTGCAAGTGTGC	AGATCCATGAGGTTGTGC	Ramsay et al. 2000
GBMS196	GBMS196	5H	48.81	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS075a	GBMS75	5H	48.81	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0323	Bmag0323	5H	50.85	TTTGTGACATCTCAAGAACAC	TGACAAACAAATAATCACAGG	Ramsay et al. 2000
GBM1293	GBM1293	5H	50.85	AAAGCTGTATTGCAGCATCTCA	AGCAGATCGTCGGCTATTA	unpublished
HVLEU	HVLEU	5H	51.26	TTGGAAGTGTACAGCAATGGAG	TGAAAGGCCCCACAAGATAG	Liu et al. 1996
Bmac0311	Bmac0311	5H	52.10	ATTGATGGAGCATTGTCC	AAGTGTGGAAGGATAGTAGCA	Ramsay et al. 2000
Bmag0121c	Bmag0121	5H	52.10	ATAAGATAGGTCACCGCAATA	AGTAGTTCAATACAGACCTACAGG	Ramsay et al. 2000
EBmatc0054	EBmatc0054	5H	52.78	TGACCACCATTGTGAGACAG	AGTGGTAGTGGGAGGAGGAG	Ramsay et al. 2000
Bmac0282a	Bmac0282	5H	52.78	CACACATACCACGCATGT	ATGTAAAATGGACGTATCACC	Ramsay et al. 2000
GBM1026	GBM1026	5H	53.08	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmac0303b	Bmac0303	5H	53.10	CCTCCAAGATTAGATCTCTCTC	CCGTATATTTAAGAAATGGTGA	Ramsay et al. 2000
GBMS174	GBMS174	5H	53.10	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmac0518	Bmac0518	5H	53.12	ATATGGGTCACACTGAAAATC	AGTTTGTTTTTACCAATAAGAGTG	Ramsay et al. 2000
Bmag0005	Bmag0005	5H	53.12	TCCATGATGATGTGTGCATAGA	CGGATCCCAACAAACACAC	Ramsay et al. 2000
EBmatc0040	EBmatc0040	5H	53.12	AAAGTTGACCACCCTGTTGA	ATGATGATGGTCTTTCTTCTGG	Ramsay et al. 2000
Bmac0284	Bmac0284	5H	53.12	GCACAAAGTCATTACATCAA	GATGCGTGAGTAGTTCACC	Ramsay et al. 2000
Bmag0003b	Bmag0003	5H	53.12	GATCAAAGAGAACATGCGAT	GTAGTTCAGCATAGACCTACAGG	Ramsay et al. 2000
Bmac0113	Bmac0113	5H	53.12	TCAAAAGCCGGTCTAATGCT	GTGCAAAGAAAATGCACAGATAG	Ramsay et al. 2000
Bmac0096	Bmac0096	5H	53.12	GCTATGGCGTACTATGTATGGTTG	TCACGATGAGGTATGATCAAAGA	Ramsay et al. 2000
GBM1398	GBM1398	5H	53.27	ACAAGGCATCCAACCTCCAC	GGCACGAGGGTTCTTCATAG	unpublished
Bmac0306	Bmac0306	5H	55.17	CCTTGTGTGAGTGTGTGTG	ACATGCACATGAACTAATCAA	Ramsay et al. 2000
Bmag0357	Bmag0357	5H	65.04	CTTCTACATCATCCTTGTTGC	ATGATCATTGTATTGAAGAGCA	Ramsay et al. 2000
Bmag0760	BMAG0760	5H	68.72	GTGATACATCAAGATCGTGC	TCCCCAACACCAGTATCTA	Ramsay et al. 2000
GBM1399	GBM1399	5H	69.86	GGAAATAAAATTCTTGTGTTACGGA	ATGGAAGCTTGCGATTTAGG	unpublished

GBM1426	GBM1426	5H	70.25	AGCACCACCTCAAGCAAAG	CGAAGAGCATGGTCAGGG	unpublished
EBmac0684a	EBmac0684	5H	73.79	TTCCGTTGAGCTTTCATACAC	ATTGAATCCCAACAGACACAA	Ramsay et al. 2000
GBM1506	GBM1506	5H	75.45	GCCGTAAGTAAGAACCGCTG	TCAAATCCGACTTTATCTTAAATCTC	unpublished
scssr16991	scssr16991	5H	76.81	CGCCGTTCCAGTTTAACTTC	GGGCTTCCCCTCCTTTGTAT	Ramsay et al. 2004
scssr15334	scssr15334	5H	77.79	GGGAGCCGTAAGTAAGAACC	CGACCTCTGAATCTCAAATCC	Ramsay et al. 2004
GBM1041	GBM1041	5H	79.59	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1483	GBM1483	5H	80.64	CAGTGATATGGACTACGGCG	CTTGTTCTCCACCTCGAAGC	unpublished
Bmag0113a	Bmag0113	5H	81.44	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
Bmac0144l	Bmac0144	5H	84.78	TACGTGTACATACTCTACGATTTG	ACTTATTCTGCATCCTGGGT	Ramsay et al. 2000
Bmag0113f	Bmag0113	5H	84.78	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
GBM1038	GBM1038	5H	85.27	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0223	Bmag0223	5H	86.88	TTAGTACCCTCAACGGT	CCCCTAACTGCTGTGATG	Ramsay et al. 2000
Bmag0812	BMAG0812	5H	90.32	ATAGTCTTTTCAGGACCAATG	GTCATATGGATCTCCAAAGAG	Ramsay et al. 2000
scssr05939	scssr05939	5H	90.64	TCATTGGGCTCTTCTACGG	GCAAACCGGACTAAGTATGC	Ramsay et al. 2004
GBMS106	GBMS106	5H	90.68	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0113d	Bmag0113	5H	91.82	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
GBM1227	GBM1227	5H	91.82	GGTCATCATACATACGCTGCTG	GGGTGGTGTAGGAGGAGGAT	unpublished
GBM1231	GBM1231	5H	102.27	CTGCAGACCCTGAAATTGGT	GGATCCCCTTTTGACGTGCTA	unpublished
GBMS013	GBMS13	5H	104.51	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1438	GBM1438	5H	104.74	TGAAGGAGATCAAGAACGGC	ATCAGTCCGGAAAGACATGC	unpublished
GBM1295	GBM1295	5H	107.11	GAGCATCCCGTTTCATAGT	GTTTCGACGGCAGTGATGAGT	unpublished
GBM1141	GBM1141	5H	108.26	ACGTCGTGGATCAACGTGTA	ACAATCCTTCCATCCATTCG	unpublished
HVDHN09	HVDHN09	5H	110.11	CATGGACAAGATCAAGGAGAAAG	CCCATTATTTATCTGTAGGAACGC	Becker and Heun 1995
HvLOX	HvLOX	5H	113.20	CAGCATATCCATCTGATCTG	CACCCTTATTTATTGCCTTAA	Ramsay et al. 2000
GBM5008	GBM5008	5H	118.98	CAGCATCCATCAGCAATGAA	ATGTTTGGCTTCTTCGTCCA	unpublished
GBM1363	GBM1363	5H	120.68	AAGAAGGCCAAGCTGAGACA	CCTCGATAGGCTCTGTCCCTG	unpublished
GBMS119	GBMS119	5H	122.09	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GMS061	GMS61	5H	122.09	CACCTGTTCCGTCCCGTC	AACCTCTTTTTATCCCTCGC	Struss and Plieske 1998
scssr10148	scssr10148	5H	122.34	AAGCAGCAAAGCAAAGTACC	TCATCAGCATCTGATCATCC	Ramsay et al. 2004
AF043094A	AF043094A	5H	123.37	CACGGTATAAATATCCACCC	ATGGACTCTTCTCCCTGAA	Ramsay et al. 2000
GBMS068	GBMS68	5H	123.76	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS219d	GBMS219	5H	125.32	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS219b	GBMS219	5H	125.32	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmac0824	EBmac0824	5H	125.75	GCAAGCTTCTCAAATCCCTTA	TGCAGACAGTTTTTCATATACA	Ramsay et al. 2000
EBmatc0003	EBmatc0003	5H	127.69	AATTTTGCAAAGCTGGAGG	CATTATGGTGGGGTTCATGT	Ramsay et al. 2000
GBM1436	GBM1436	5H	128.54	ACGAGGCAAAGGTAGGGTTT	ACTTGATGAAGCCGATGTCC	unpublished

GBM1463	GBM1463	5H	130.55	GCTTCTGACCGAGAACGAAC	CATAGCCAGAGGCCATGAAT	unpublished
GBM1470	GBM1470	5H	130.55	TTTCCAGTCAGTCAGTCCCA	ACTTTTGATGGACAAACCGC	unpublished
GBM1045	GBM1045	5H	132.16	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1054	GBM1054	5H	132.16	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1166	GBM1166	5H	133.50	CTCGAAGATGAAGACGGAGG	CCCACCCAATGTTCTGTAG	unpublished
GMS027	GMS27	5H	135.91	CTTTTCTTTGACGATGCACC	TGAGTTTGTGAGAACTGGATGG	Struss and Plieske 1998
Bmag0222	Bmag0222	5H	144.14	ATGCTACTCTGGAGTGGAGTA	GACCTTCAACTTTGCCTTATA	Ramsay et al. 2000
GBM1490	GBM1490	5H	144.14	TTTTGCCTATGGGTAATGGG	TTGCTCTGAATGTTTGCAGG	unpublished
GBMS060	GBMS60	5H	144.93	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS077	GBMS77	5H	144.93	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1164	GBM1164	5H	156.88	TGAGTTTATTCGGTCTCGCC	ACGAACACCTTCATCCATCC	unpublished
GBM1064	GBM1064	5H	157.60	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1001	GBM1001	5H	157.65	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0113i	Bmag0113	5H	160.00	GGAATCTTCTGGAACGTC	TTAAGAAGATCATTGTATTGAAGA	Ramsay et al. 2000
GMS001	GMS1	5H	183.25	CTGACCCTTTGCTTAACATGC	TCAGCGTGACAAACAATAAAGG	Struss and Plieske 1998
scssr03907	scssr03907	5H	183.45	CTCCCATCACACCATCTGTC	GACATGGTTCCTTCTTCTTC	Ramsay et al. 2004
scssr09041	scssr09041	5H	183.46	CATGTACAGTGGGGTTCTAGC	TCTACTTGGACCTGCTGACC	Ramsay et al. 2004
GMS002	GMS2	5H	183.75	CCGACAACATGCTATGAAGC	CTGCAGCAAATACCCATGTG	Struss and Plieske 1998
AF166121A	af166121	6H	0.00	TTATGCTTCACACGGTGTAC	GGCACAAAAAGACTGAAATAG	Cardle et al 2000
BAC84c21_s33	84c21j33	6H	0.00	AATCCCTCTTCATAAATTAGTG	TCCAAATCACTGAACAAAAAC	Cardle et al 2000
Bmac0316	Bmac0316	6H	7.16	ATGGTAGAGGTCCTCAACTG	ATCACTGCTGTGCCTAGC	Ramsay et al. 2000
scssr09398	scssr09398	6H	7.16	AGAGCGCAAGTTACCAAGC	GTGCACCTCAGCGAAAGG	Ramsay et al. 2004
GBMS033	GBMS33	6H	28.81	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0500	Bmag500	6H	31.65	GGGAACTTGCTAATGAAGAG	AATGTAAGGGAGTGTCCATAG	Ramsay et al. 2000
GBM1270	GBM1270	6H	36.52	TGCGTCTTACAACCTTCGTGG	AGGCTGCTGTTAGTGGTGGT	unpublished
GBMS072	GBMS72	6H	36.65	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1215	GBM1215	6H	39.54	ATGACCAGAAAACGCCTGTC	GGATTCTGCACACACGAGAA	unpublished
GBM1049	GBM1049	6H	40.17	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1057	GBM1057	6H	40.17	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1021	GBM1021	6H	40.17	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1355	GBM1355	6H	40.43	ATCCGTCGTATTCGCATCTC	GCTGGTACTGGGAGAAATGG	unpublished
GBM1053	GBM1053	6H	49.11	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1068	GBM1068	6H	50.08	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1075	GBM1075	6H	50.08	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1212	GBM1212	6H	55.10	TGTTGCAAGAAGCAAGGATG	GCGCTTACTCTCTCGTCGTC	unpublished
GBM1319	GBM1319	6H	55.10	CTTTGGACCTCAACTACCGC	TAGGAACAAAGTGCCCATCC	unpublished

Bmag0807	BMAG0807	6H	56.11	GGATATAAGGGTCCATAGCA	AATTACATCAAATAGGCTCCA	Ramsay et al. 2000
GBMS222	GBMS222	6H	56.70	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0173	Bmag0173	6H	57.79	CATTTTTGTTGGTGACGG	ATAATGGCGGGAGAGACA	Ramsay et al. 2000
GMS006	GMS6	6H	57.88	TGACCAGTAGGGGCAGTTTC	TTCTTCTCCCTCCCCAC	Struss and Plieske 1998
GBM1423	GBM1423	6H	58.46	ACAAATCCCCAAGCCAATCT	CTTGCTGTCAACGTCTTCA	unpublished
GBM1027	GBM1027	6H	59.93	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
HVM31	HVM31	6H	60.90	CGGTTTCTGGTTGCTTGG	CGAAGCTCTCAGGCTTCATG	Liu et al. 1996
Bmac0040b	Bmac0040	6H	61.07	AGCCCGATCAGATTTACG	TTCTCCCTTTGGTCCTTG	Ramsay et al. 2000
Bmag0174a	Bmag0174	6H	61.40	AATTTGCTGAAGCTAGCAG	GCGATCTCTTTCCAAGT	Ramsay et al. 2000
EBmac0560c	Ebmac0560	6H	61.70	CATATGTGTGCAAGTGTGC	AGATCCATGAGGTTGTGC	Ramsay et al. 2000
GBM1267	GBM1267	6H	61.70	CGGTTCTGATTGTGGAAGGT	AGCTTCAGCAGAGAGGGTTG	unpublished
GBMS121	GBMS121	6H	61.78	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0018	Bmac0018	6H	61.79	GTCCTTTACGCATGAACCGT	ACATACGCCAGACTCGTGTG	Ramsay et al. 2000
Bmac0144c	Bmac0144	6H	61.79	TACGTGTACATACTCTACGATTG	ACTTATCTGCATCCTGGGT	Ramsay et al. 2000
Bmac0175b	Bmac0175	6H	61.79	CTACACCCCTACCATATAAACA	CCTCCCCACATACCTTGT	Ramsay et al. 2000
GBM5012	GBM5012	6H	61.95	CTGCTATCCTAACGCGGTTC	CAATGGACACGACTGCAAAG	unpublished
EBmac0674	EBmac0674	6H	61.96	GAACGTATAGCAGGAGCAA	CATCGTTCCCTTCATGAT	Ramsay et al. 2000
EBmac0874	EBmac0874	6H	61.96	AACCATTCTCACCCAGG	GTGAATGATGTTGAGGACATTG	Ramsay et al. 2000
GBMS178	GBMS178	6H	62.03	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS201	GBMS201	6H	62.03	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS135	GBMS135	6H	62.03	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS107	GBMS107	6H	62.10	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HVM65	HVM65	6H	62.11	AGACATCCAAAAAATGAACCA	TGGTAACTTGTCCCCAAAG	Liu et al. 1996
HVM22a	HVM22	6H	62.14	TTTTGGGGGATGCCTACATA	TTTCAAATGGTTGGATTGGA	Liu et al. 1996
Bmag0009	Bmag0009	6H	62.21	AAGTGAAGCAAGCAAACAAACA	ATCCTTCCATATTTTGATTAGGCA	Ramsay et al. 2000
EBmac0639	EBmac0639	6H	62.21	TTGAGGCCTACTGGTATGTAT	TAGTCCCTCATGCACAAGT	Ramsay et al. 2000
EBmatc0028	EBmatc0028	6H	62.21	AATTCCACACCCAGATGAT	CTAGGCCTGGTGTGAAC	Ramsay et al. 2000
Bmac0297c	Bmac0297	6H	62.23	ATAGAGGGGGTGAAGAATAAC	AATAAGTGAATGATGTTGAGGA	Ramsay et al. 2000
Bmac0047a	Bmac0047	6H	62.27	AACACACGGTACACAAATACACA	ACGTCCATCACTTTGACC	Ramsay et al. 2000
Bmac0127a	Bmac0127	6H	62.27	AACTATGTCCAGTCGTTTCC	CTGTGCGTATCATCTTATTCAGA	Ramsay et al. 2000
GBM1389	GBM1389	6H	62.27	CAGGCTTCCATCATCGTTTCT	CCTGTTGCTTCTTTCTTGGG	unpublished
HVM14	HVM14	6H	62.28	CGATCAAGGACATTTGGGTAAT	AACTCTTCGGGTTCAACCAATA	Liu et al. 1996
Bmag0210	Bmag210	6H	62.28	ACCTACAGTTCAATAGCTAGTACC	GCACAAAACGATTACATCATA	Ramsay et al. 2000
GBMS083	GBMS83	6H	62.43	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HVM34	HVM34	6H	62.43	ACCATGTTGCGTGTGCTT	CGGTTGCGAAATCGAGTGG	Liu et al. 1996
HVM74	HVM74	6H	62.66	AGGAAGTCATTGCGTGAG	TGATCAAGAATGATAACATGG	Liu et al. 1996

Bmag0867	BMAG0867	6H	63.49	CCCCACACTGACCTACAG	TTACATCTGCTAGATCGAAGC	Ramsay et al. 2000
Bmac0297f	Bmac0297	6H	63.49	ATAGAGGGGGTGAAGAATAAC	AATAAGTGAATGATGTTGAGGA	Ramsay et al. 2000
Bmag0003a	Bmag0003	6H	63.49	GATCAAAGAGAACATGCGAT	GTAGTTCAGCATAGACCTACAGG	Ramsay et al. 2000
GBM1063	GBM1063	6H	63.49	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0496	Bmag0496	6H	63.75	AGTATAACCAACAGCCGTCTA	CTATAGCACGCCTTTGAGA	Ramsay et al. 2000
Bmag0219	Bmag0219	6H	64.31	ATATTTATGAAACGGTGAAGC	GGGTTTATCCTCTGGTCC	Ramsay et al. 2000
Bmgttttt0001	Bmgttttt0001	6H	64.71	ACACCAGAGCCTTGACTCGT	AGCAGCAACAACGACAACAC	Ramsay et al. 2000
Bmag0004a	Bmag0004	6H	64.71	GTTTCCCATGCGACGTTC	CGGATGACGATTGATAGGTGT	Ramsay et al. 2000
HvWaxy4b	HvWaxy4	6H	64.71	AGTATCGCAGACGCTCAC	(GCAT)4	Ramsay et al. 2000
Bmg0001	BMG001	6H	64.71	GTGTGGTGTAGCAAGGGGT	TCACAGGGCACACACACAC	Ramsay et al. 2000
GBMS125	GBMS125	6H	65.33	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0103a	Bmag0103	6H	66.05	AAAATATTGGCATGAGCTTAG	ATCAAAGATCACATCCTTCC	Ramsay et al. 2000
scssr02093	scssr02093	6H	67.20	CGTCACGCACACATCGAC	GATCTCTCCTCGGGCATC	Ramsay et al. 2004
EBmac0853	EBmac0853	6H	67.80	CATCACCTAGGTTGTGTAGT	CTTGAGCATGTGTGAGACA	Ramsay et al. 2000
Bmag0344a	Bmag0344	6H	67.80	GATCCAACATATTAACAAAGCC	TGAGGGTATGTACCACTAGCT	Ramsay et al. 2000
GBM1400	GBM1400	6H	67.80	AGCGCTCTCTCACACACAGA	ATTCTGCCTGTTTTTCGTG	unpublished
GBM1076	GBM1076	6H	67.86	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmac0251	Bmac0251	6H	69.25	CAGATCTCAACAAACACACC	ATTCATATAAACATATGGGTCC	Ramsay et al. 2000
Bmag0613	Bmag0613	6H	69.82	AAGAACACCATATGATCCAAC	CTCCATGACTATGAGGAGAAG	Ramsay et al. 2000
GBMS180	GBMS180	6H	70.16	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmac0218c	Bmac0218	6H	71.99	ATTGCATTGATTAACTCCTACA	GGGGGAATCTTTGTGTAAG	Ramsay et al. 2000
EBmac0602	Bmac602	6H	75.42	GATTGGAGCTTCGGATCAC	CCGTCTAGGGAGAGGTTCTC	Ramsay et al. 2000
EBmac0806	Ebmac0806	6H	75.46	ACTAAGTCCTTTCACGAGGA	GTGTGTAGTAGGTGGGTACTTG	Ramsay et al. 2000
GBM1256	GBM1256	6H	75.46	GCCTCGATCTGTGGAAGAA	GTCTCGGAGAAGGTGACGAT	unpublished
HVM11a	HVM11	6H	88.47	CCGGTCCGTGCAGAAGAG	AAATGAAAGCTAAATGGCGATAT	Saghai Maroof et al. 1994
GBM1008	GBM1008	6H	95.37	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
scssr05599	scssr05599	6H	96.34	TTCCATCATAACAGCAATGG	TTCGTGGAAGGCTATGTAGG	Ramsay et al. 2004
GBM1140	GBM1140	6H	97.31	TGACCGGATCAAACCTCTTC	TAGCATGAACAAAACCGACG	unpublished
GBM1356	GBM1356	6H	98.38	CCACCTGGTTTTGCGTTTAT	AAAGTGCCCAGATTCACCAC	unpublished
scssr00103	scssr00103	6H	105.26	GGTAAGGAGTGGGTCTCAGG	CAAGCAGATGCAACTACACC	Ramsay et al. 2004
GBM1022	GBM1022	6H	105.26	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0571a	Bmag0571	6H	105.45	AAGAACACCATATGATCCAAC	ATTGGAGACGTATCATGTACC	Ramsay et al. 2000
Bmac0040a	Bmac0040	6H	113.19	AGCCCGATCAGATTTACG	TTCTCCCTTTGGTCCTTG	Ramsay et al. 2000
GBM1274	GBM1274	6H	123.45	CGTCCACTCTTTTCTGAGGG	TGGGCTCAATTTTCTGTTC	unpublished
GBM1275	GBM1275	6H	124.29	TCTTCTGCTGTGGGTCTGTC	CACATCCAGTCGCACAACTT	unpublished
GBM1276	GBM1276	6H	124.29	TCTTCTGCTGTGGGTCTGTC	GCATCTCGACCCTTCTGAAC	unpublished

GBM1087	GBM1087	6H	127.70	TAAGATGCACACGTCCAACC	TGATACACCTCACAGCTCGG	unpublished
GBM1404	GBM1404	6H	129.76	CAAGCCAGCAAACAAACAAA	GGGAGTACGTGTTGCTCCAT	unpublished
GBM1005	GBM1005	6H	131.12	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
HVPLASC1B	HVPLASC1B	7H	2.65	GTGCATGCATCATATTGATTA	ACGTACGTACTTATCACGAAGA	Ramsay et al. 2000
Bmag0021	Bmag021	7H	6.78	ATTTTTATCAGAACGTCTCTCTC	CTAACTTCTCTCTCCCTCTCC	Ramsay et al. 2000
GBM1060	GBM1060	7H	8.78	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1126	GBM1126	7H	8.80	AGCAGATGATTCCCCAGATG	GCCCACGGTGTAGATGTCTT	unpublished
GBMS192	GBMS192	7H	10.12	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmac0713	EBmac713	7H	12.35	GGTAAAACATTTCCCTCGT	TAGAGATCACTCTCTTCTGTGC	Ramsay et al. 2000
Bmag0206	Bmag206	7H	15.25	TTTTCCCCTATTATAGTGACG	TAGAAGTGGGTATTTCCCTGA	Ramsay et al. 2000
EBmag0794	Bmag0794	7H	15.79	CAGTCATAACCTGATGAACAA	TCACACTTATCTTGCTGCTAA	Ramsay et al. 2000
Bmag0007	Bmag0007	7H	20.62	TGAAGGAAGAATAAACAACCAACA	TCCCCTATTATAGTGACGGTGTG	Ramsay et al. 2000
HVWAXYG	HVWAXYG	7H	21.80	TCCAATGGCATCTACAGGACGGCCAA	GCAGGTTGAGCTGCGCAAAGTCGTCG	Becker and Heun 1995
HVM04	HVM4	7H	22.19	AGAGCAACTACCAGTCCAATGGCA	GTCGAAGGAGAAGCGGCCCTGGTA	Liu et al. 1996
GBMS094	GBMS94	7H	22.89	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HVCABG	HVCABG	7H	23.21	ACACCTTCCCAGGACAATCC	CAGAGCACCGAAAAAGTCTGTA	Becker and Heun 1995
HvWaxy4a	HvWaxy4	7H	23.21	AGTATCGCAGACGCTCAC	GTTATGTACTCGCTCGCTC	Ramsay et al. 2000
GBMS240	GBMS240	7H	31.09	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS139a	GBMS139	7H	31.17	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1326	GBM1326	7H	31.24	AGAGCACAACCCTTGAGG	GTAGAGGCAGCCCTTCTCT	unpublished
GBM5060	GBM5060	7H	31.24	GTAGAGGCAGCCCTTCTCT	AGGAGAGTGGAGCAGAGCAC	unpublished
EBmac0603	EBmac603	7H	35.39	ACCGAACTAAATGAACTACTTCG	TGCAAAGTGTGCTATTAAGGG	Ramsay et al. 2000
AF022725A	AF022725A	7H	45.80	AGTATGGGGAATTTATTTGG	GCTGCAAAGTATGACAATATG	Ramsay et al. 2000
GBMS129	GBMS129	7H	46.02	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS035	GBMS35	7H	46.85	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0914	BMAG0914	7H	46.85	GGGCAATATACAGTTCAACTC	ATGAACTGGAGGCAGTAAATA	Ramsay et al. 2000
GBM1116	GBM1116	7H	50.57	CACGAGGCCAAAACCTAAAA	CTTCTCGAGTTCTTGACGG	unpublished
GBM1464	GBM1464	7H	53.43	ATAGCCGTGCTCTTGCTCAT	CAAGACCACCATTTGCATTG	unpublished
scssr07970	scssr07970	7H	53.98	TGCATTGGGAGTGCATAGG	TGCAAGAAGCCAAGAATACC	Ramsay et al. 2004
Bmac0282b	Bmac0282	7H	59.31	CACACATACCAGCTATGT	ATGTAAAATGGACGTATCACC	Ramsay et al. 2000
GBMS226	GBMS226	7H	62.09	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
EBmatc0016	EBmatc0016	7H	64.76	CCAACCAAGATAATGTGCTTG	ATCCTTATGCTCCTCGCTG	Ramsay et al. 2000
GBM1033	GBM1033	7H	67.13	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
HVCMA	HVCMA-187	7H	67.59	GCCTCGGTTTGGACATATAAAG	GTAAAGCAAATGTTGAGCAACG	Becker and Heun 1995
Bmac0144j	Bmac0144	7H	71.48	TACGTGTACATACTCTACGATTTG	ACTTATTCTGCATCCTGGGT	Ramsay et al. 2000

Bmac0187	Bmac187	7H	72.57	GCTCTCTCTCAGAAAAATGAA	GAATTATTCTAGGGCTGTGAA	Ramsay et al. 2000
GBM1432	GBM1432	7H	72.81	ATGGCCAAGATCTCCTTCCT	TGTTGCAGTAGGTCAGGCAC	unpublished
scssr15864	scssr15864	7H	72.83	GCATAAACGGGTGTAAGAGC	CATCCAGTTCAGAGGATAGAGC	Ramsay et al. 2004
Bmac0303e	Bmac0303	7H	72.93	CCTCCAAGATTAGATCTCTCTC	CCGTATATTTAAGAAATGGTGA	Ramsay et al. 2000
GBM1030	GBM1030	7H	72.93	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmac0273e	Bmac0273	7H	73.18	ACAAAGCTCGTGGTACGT	AGGGAGTATTTACCCTTG	Ramsay et al. 2000
HVM30c	HVM30	7H	73.25	AGTGGGGAATGAGAGAATGG	TGCTTGTGGGTCATCACAC	Liu et al. 1996
HVM30b	HVM30	7H	75.67	AGTGGGGAATGAGAGAATGG	TGCTTGTGGGTCATCACAC	Liu et al. 1996
Bmag0900	BMAG0900	7H	75.68	AGCCTGTGATACATCAAGATC	AGGATGAGGGTATGTAGACG	Ramsay et al. 2000
GBMS2193c	GBMS2193	7H	77.38	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS164	GBMS164	7H	78.22	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBMS254	GBMS254	7H	78.22	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0341	Bmag341	7H	78.22	TCATGGAGACCGTTGTAGT	CCACAAGCCTCTGTTCTC	Ramsay et al. 2000
GBM1237	GBM1237	7H	78.32	GAGGCAAGCTCCATCAGTG	ATCTGGGGAGGAAGAAGGAA	unpublished
Bmag0110a	Bmag0110	7H	78.86	ACGAGGAGGGACTAGTACAC	CCAACTATATTAACAAGGCTCA	Ramsay et al. 2000
Bmag0359	Bmag359	7H	78.88	TGATGACCATTGTATTGAAGA	GTTCCTCTCTTAATGATGTGTG	Ramsay et al. 2000
Bmag0183	Bmag0183	7H	78.88	AGGTTTCATCAAGAAGATAGA	ATGTACCAGTAGCTATGTGTTTC	Ramsay et al. 2000
GBMS041	GBMS41	7H	78.98	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
Bmag0109	Bmag0109	7H	79.06	GGAGGGCTTCTACATCAAC	TAAATCAAAGCGATGATGC	Ramsay et al. 2000
Bmag0189	Bmag0189	7H	79.06	GAATGAAAAACACGAGGTAAC	AGATTGAACTCAACTCAAGGA	Ramsay et al. 2000
Bmag0217	Bmag0217	7H	79.06	AATGCTCAAATATCTATCATGAA	GGGGCTGTCACAAGTATATAG	Ramsay et al. 2000
Bmag0321	Bmag0321	7H	79.24	ATTATCTCCTGCAACAACCTA	CTCCGGAACACTACGACAAG	Ramsay et al. 2000
Bmag0516	Bmag0516	7H	79.31	ATCTAACCCGAACCTTGAG	AGCATCCATATATACAATGATACA	Ramsay et al. 2000
GMS056	GMS056	7H	79.74	GAGAAACGCAGCTGTGGC	GTCACCGAGGCCTTCCTC	Struss and Plieske 1998
Bmac0162	Bmac0162	7H	80.32	CATGTGTTGAAATCAGTTTTG	CCCTCTCTCTCTCTCTCTC	Ramsay et al. 2000
Bmac0579	Bmac0579	7H	80.32	CACCAGCTTTGGTGAGTAGC	CAAATGGGGCTGTTTACCAC	Ramsay et al. 2000
GBM1492	GBM1492	7H	80.32	GGAAGGAGACGAACACCAAA	AGGAGATCGAGCACGTAGGA	unpublished
EBmac0785	EBmac0785	7H	80.57	AATTGCAAGCATATATATATA	ATCCAGCTAGACACATACATAT	Ramsay et al. 2000
EBmac0827	EBmac0827	7H	80.57	CATGGTATTCAAACATACACG	AAGGTCTTAAGGGGTGATG	Ramsay et al. 2000
Bmac0224	Bmac0224	7H	80.74	GCATATATACCACCTTGGT	ATTCTTGATGGCTATAGCTTG	Ramsay et al. 2000
Bmac0273a	Bmac0273	7H	80.78	ACAAAGCTCGTGGTACGT	AGGGAGTATTTACCCTTG	Ramsay et al. 2000
GBMS003	GBMS3	7H	80.80	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1516	GBM1516	7H	81.21	CCCTCTCCTTTCCCTATCGT	GTGGGGTTGATGTTCCCTGTT	unpublished
Bmac0303a	Bmac0303	7H	81.53	CCTCCAAGATTAGATCTCTCTC	CCGTATATTTAAGAAATGGTGA	Ramsay et al. 2000
Bmac0031	Bmac31	7H	81.75	AGAGAAAGAGAAATGTCACCA	ATACATCCATGTGAGGGC	Ramsay et al. 2000
Bmag0010a	Bmag0010	7H	81.77	AGTAGTTCACCTTGGGGCT	AGCACGTGATACATCAAGAACG	Ramsay et al. 2000

Bmag0011	Bmag011	7H	81.78	ACAAAAACACCGCAAAGAAGA	GCTAGTACCTAGATGACCCCC	Ramsay et al. 2000
Bmac0047c	Bmac0047	7H	81.78	AACACACGTACACAAATACACA	ACGTCCATCACTTTGACC	Ramsay et al. 2000
Bmac0297a	Bmac0297	7H	81.78	ATAGAGGGGGTGAAGAATAAC	AATAAGTGAATGATGTTGAGGA	Ramsay et al. 2000
Bmag0121a	Bmag0121	7H	81.78	ATAAGATAGGTCACCGCAATA	AGTAGTTCAATACAGACCTACAGG	Ramsay et al. 2000
Bmag0228b	Bmag0228	7H	81.78	TGAGGAGGAGGGAGTAGTC	TCAAGATCATGACATCTCAA	Ramsay et al. 2000
Bmac0047d	Bmac0047	7H	81.80	AACACACGTACACAAATACACA	ACGTCCATCACTTTGACC	Ramsay et al. 2000
GBM1115	GBM1115	7H	81.85	GTGCCGGTCTTCATGTC	GCCTTCACGTAGTCCCAGAC	unpublished
Bmac0167	Bmac167	7H	82.26	CATTTCCACTTCAAATATCC	CCAAAGTTTGTAGTGCAGAC	Ramsay et al. 2000
Bmac0192a	Bmac0192	7H	82.26	GGGTGGTGTGCTTAAAC	TCAACATTCATACTACCACCA	Ramsay et al. 2000
Bmac0582	Bmac0582	7H	82.56	GCCACATATGCACCCTAGTG	CATGGGGTAGTTTGTGCCTT	Ramsay et al. 2000
Bmag0369	Bmag0369	7H	83.31	CACTAGGCACCAATGACTG	ATCGAAAATCTTAGCTTTGG	Ramsay et al. 2000
Bmag0571b	Bmag0571	7H	83.56	AAGAACACCATATGATCCAAC	ATTGGAGACGTATCATGTACC	Ramsay et al. 2000
GBMS111	GBMS111	7H	83.80	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GMS046	GMS46	7H	84.04	ATGTATTTATCACCCACCCAGC	AAGGCATTAGAACCGGCAC	Struss and Plieske 1998
Bmag0507	Bmag0507	7H	84.10	CAACTAGCATACCCAAGCTATA	ACCCCTATTTCAATAATGGA	Ramsay et al. 2000
Bmag0746	BMAG0746	7H	84.12	AACAATCTTTATAGCTTGGGA	GAATACAACAATACATAAGATAAAGC	Ramsay et al. 2000
GBMS063b	GBMS63	7H	84.28	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1494	GBM1494	7H	84.28	CATACGCATGGGTGAAGAGG	CTTGCAGAGGAAGCAGGAGT	unpublished
Bmag0571c	Bmag0571	7H	85.64	AAGAACACCATATGATCCAAC	ATTGGAGACGTATCATGTACC	Ramsay et al. 2000
GBM1359	GBM1359	7H	85.80	ATAGCAAACACGCGGAAAAA	CGCCTACGAGCAAGGTTC	unpublished
GBMS120	GBMS120	7H	86.23	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1303	GBM1303	7H	86.43	TCTTTTTGGAGGGGTTTCT	ATCATCTTCACGCTTCCTCC	unpublished
Bmag0385	Bmag0385	7H	88.17	CTCCACAGAGTCAGAGTTAGA	CTGACATTAGCTGACTCTCTATC	Ramsay et al. 2000
GBM1472	GBM1472	7H	88.46	ATAGGAGCAAAGGTGAGGCA	AAGTACTAAGGCCACCGTCG	unpublished
GBM1297	GBM1297	7H	88.56	CGCCTTATTCATCCATCCAT	GTTCCGGAAGGTGATCAAGA	unpublished
GBM1058	GBM1058	7H	89.62	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
GBM1396	GBM1396	7H	90.46	ACCATTACTTACCGTTGCG	ATGCTGGCTTCTGCAATCTT	unpublished
EBmac0764	EBmac0764	7H	90.66	AGAATCAAGATCGACCAAAC	AAAAACATGAACCGATGAA	Ramsay et al. 2000
GBM1428	GBM1428	7H	91.17	CCCTCTACAGTCCGATCTGC	TAAACATGGCAACGAGGACA	unpublished
Bmac0064	Bmac0064	7H	91.68	CTGCAGGTTTCAGGAAGG	AGATGCCCCGAAAGAGTT	Ramsay et al. 2000
GBMS141	GBMS141	7H	93.04	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1174	GBM1174	7H	93.86	TCTGGAAGAGGAAGGTGAGC	TTCCTCTTACCGTTCTTCGC	unpublished
GBM1102	GBM1102	7H	94.23	GGCATCTGCTCTTGATGACA	GGAGGAAAATAGGCACGGAT	unpublished
GBM1419	GBM1419	7H	95.75	CGTCACGCCACTCACCTC	CTTGAAGTCGGAACCCATGT	unpublished
Bmag0120	Bmag0120	7H	97.00	ATTTTCATCCCAAAGGAGAC	GTCACATAGACAGTTGTCTTCC	Ramsay et al. 2000
Bmag0482b	Bmag0482	7H	98.85	TATATGTCGGGAGAGATCAAG	ATAGTTTAGCCCTCCACTAGC	Ramsay et al. 2000

GBM1006	GBM1006	7H	100.10	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmag0174b	Bmag0174	7H	100.86	AATTTGCTGAAGCTAGCAG	GCGATCTCTTTCCAAGT	Ramsay et al. 2000
GBM5225	GBM5225	7H	101.73	GCTCACATGCTTTCTCCTCC	GCAACTCTCCCTACCTCCCT	unpublished
GBMS088	GBMS88	7H	111.32	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HvAMY2	HvAMY2	7H	112.44	CTGTAAGTGAGACAATCGACA	CAGTTGAACCCCTGAAAG	Ramsay et al. 2000
GBM1362	GBM1362	7H	123.22	CGCCTCCCTCCTTCCTGTA	CCCTTGTTGCTCTTGCAT	unpublished
EBmac0755	EBmac755	7H	125.21	AGCCTTGTGTATCAGGACA	CTGCTGGTGTCTCTAAAAGT	Ramsay et al. 2000
Bmac0035	Bmac0035	7H	129.19	TCTCATCATTTTTTTGGGTGG	TGTGACCAAATACAAGAGGCC	Ramsay et al. 2000
GBMS112	GBMS112	7H	133.79	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
GBM1017	GBM1017	7H	133.79	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
HVM11b	HVM11	7H	135.09	CCGGTCGGTGCAGAAGAG	AAATGAAAGCTAAATGGCGATAT	Saghai Maroof et al. 1994
GBM1065	GBM1065	7H	135.11	contact at graner@ipk-gatersleben.de	contact at graner@ipk-gatersleben.de	Thiel et al. 2003
Bmac0156	Bmac0156	7H	136.42	AACCGAATGTATTCCTCTGTA	GCCAAACAACATATCGTGTAC	Ramsay et al. 2000
GBM1456	GBM1456	7H	136.79	GCTCTGCTCTGCTTCGTCTT	AGGTAGTCGTTGTTGCCAC	unpublished
HVM49	HVM49	7H	139.66	CTCTATAGGCACGAAAATTCC	TTGCACATATCTCTCTGTCACA	Liu et al. 1996
EBmac0565c	EBmac0565	7H	141.74	ATTTGAATGTCCAACAGAATC	AATTGATAAGTTACTGACACACG	Ramsay et al. 2000
Bmag0004b	Bmag0004	7H	146.28	GTTTCCCATGCGACGTTT	CGGATGACGATTGATAGGTGT	Ramsay et al. 2000
Bmag0135	Bmag0135	7H	147.51	ACGAAAGAGTTACAACGGATA	GTTTACCACAGATCTACAGGTG	Ramsay et al. 2000
HVM05	HVM05	7H	148.22	AACGACGTCGCCACACAC	AGGAACGAAGGGAGTATTAAGCAG	Liu et al. 1996
scssr04056	scssr04056	7H	148.22	CCCATGAAGCCTCTTTACG	GGAACGGAGGGAGTATTAAGC	Ramsay et al. 2004
HVPRP	HVPRP	7H	148.95	ATAACTACCAGATCACCTTCTGCC	GGAACGAAGGGAGTATTAAGCA	Becker and Heun 1995
GBMS183	GBMS183	7H	154.36	contact at roder@ipk-gatersleben.de	contact at roder@ipk-gatersleben.de	Li et al. 2003
HvID	HvID	7H	157.12	GACATTTTTTATAAATTAAGAGCG	ATTAACAATCTGCATTAATTGTG	Ramsay et al. 2000