

Supplemental Table 1. Sequenced Maize Probes

Probe	Bin (loci detected)	GenBank Accession #	Insert Type	Insert Size (bp)	Vector
p-asg15	3.06 (asg15)	EF471910	Genomic	573	pGEM3Zf
p-asg16	3.02 (asg16a), 1.06 (asg16b)	EF471911	Genomic	601	pGEM3Zf
p-asg18	6.07 (asg18)	EF471912	Genomic	381	pGEM3Zf
p-asg63	9.03 (asg63a), 1.09 (asg63b)	EF471913	Genomic	650	pGEM3Zf
p-asg64	3.01 (asg64)	EU728692	Genomic	786	pGEM3Zf
p-asg71	5.05 (asg71)	EU728693	Genomic	879	pGEM3Zf
p-asg72	2.07 (asg72)	EU728694	Genomic	1098	pGEM3Zf
p-asg84	2.07 (asg84a), 5.07 (asg84b), 4.07-4.10 (asg84c)	EF471914	Genomic	571	pGEM3Zf
p-asg85	4.08 (asg85a), 5.07 (asg85b)	EU728695	Genomic	809	pGEM3Zf
p-bnl5.07	4.10 (bnl15.07a), 7.04 (bnl15.07b)	EU445571	Genomic	2008	pUC12
p-bnl5.33	4.05 (bnl5.33a), 3.07 (bnl5.33b, EU445567), 9.03 (bnl5.33c), 8.06 (bnl5.33d), 3.04 (bnl5.33e), 7.02 (bnl5.33g)	EU445567	Genomic	2217	pUC12
p-bnl7.13	9.04 (bnl7.13a), 7.05 (bnl7.13b)	EU445568	Genomic	1072	pUC12
p-bnl7.26	3.09 (bnl7.26)	EU445569	Genomic	2545	pUC12
p-bnl8.44	7.05 (bnl8.44a), 2.08 (bnl8.44b)	EU445570	Genomic	2218	pUC12
p-bnl944	8.03 (bnl9.44)	EU734556	cDNA	2223	pBluescript-SK
p-csu214*	9.03-9.04 (csu214a), 1.03 (csu214b)	EU734557	cDNA	525	pBluescript-SK
p-csu219	9.05 (csu219)	EU734558	cDNA	783	pBluescript-SK
p-csu221	4.01 (csu221)	EU328268	cDNA	756	pBluescript-SK
p-csu222	1.09 (csu222)	EU734559	cDNA	360	pBluescript-SK

p-csu230	3.02 (csu230)	EU328269	cDNA	1850	pBluescript-SK
p-csu252	5.03 (csu252a), 9.03-9.04 (csu252b)	EU328270	cDNA	1372	pBluescript-SK
p-csu266	1.11 (csu266)	EU734560	cDNA	751	pBluescript-SK
p-csu276	10.03 (csu276)	EU328271	cDNA	1975	pBluescript-SK
p-csu328	3.05 (csu328)	EU734561	cDNA	606	pBluescript-SK
p-csu340	5.03 (csu340)	EU734562	cDNA	527	pBluescript-SK
p-csu348	2.02 (csu348a), 2.04 (csu348b)	EU328272	cDNA	834	pBluescript-SK
p-csu351	3.06 (csu351)	EU328273	cDNA	640	pBluescript-SK
p-csu359	10.01 (csu359)	EU328274	cDNA	594	pBluescript-SK
p-csu368	8.00-8.01 (csu368)	EU328275	cDNA	1017	pBluescript-SK
p-csu377	5.04 (csu377b/ubi, EU734563), 4.10 (csu377a/ubi2)	EU734563	cDNA	461	pBluescript-SK
p-csu381	1.11 (csu381)	EU734564	cDNA	455	pBluescript-SK
p-csu382	6.05 (csu382a, EU734565), 8.06 (csu382b), 3.05 (csu382c)	EU734565	cDNA	337	pBluescript-SK
p-csu389	1.04 (csu389)	EU328276	cDNA	1044	pBluescript-SK
p-csu408	3.04 (csu408)	EU734566	cDNA	813	pBluescript-SK
p-csu419	5.03 (csu419)	EU328277	cDNA	1094	pBluescript-SK
p-csu434	5.06 (csu434)	EU734567	cDNA	767	pBluescript-SK
p-csu439	3.05 (csu439)	EU734568	cDNA	674	pBluescript-SK
p-csu440	5.06 (csu440)	EU734569	cDNA	402	pBluescript-SK
p-csu466	9.02 (csu466)	EU328278	cDNA	571	pBluescript-SK
p-csu474	4.05 (csu474)	EU734570	cDNA	408	pBluescript-SK
p-csu475		EU328281	cDNA	1083	pBluescript-SK
p-csu481	6.05 (csu481)	EU734571	cDNA	216	pBluescript-SK
p-csu486	9.02 (csu486a), 7.01 (csu486b)	EU328279	cDNA	1084	pBluescript-SK
p-csu509	4.05 (csu509)	EU734572	cDNA	365	pBluescript-SK
p-csu525	4.06 (csu525)	EU734573	cDNA	442	pBluescript-SK
p-csu536	1.11 (csu536)	EU746366	cDNA	455	pBluescript-SK

p-csu540	6.05 (csu540)	EU746367	cDNA	384	pBluescript-SK
p-csu565	9.05 (csu565)	EU746368	cDNA	387	pBluescript-SK
p-csu567	3.07 (csu567)	EU328280	cDNA	2498	pBluescript-SK
p-csu570	1.11 (csu570b), 5.01 (csu570a)	EU746369	cDNA	584	pBluescript-SK
p-csu590	1.06 (csu590)	EU328282	cDNA	748	pBluescript-SK
p-csu598	5.05 (csu598)	EU746370	cDNA	737	pBluescript-SK
p-csu604	1.11 (csu604a, EU746371), 5.01 (csu604b)	EU746371	cDNA	701	pBluescript-SK
p-csu606	4.01 (csu606)	EU746372	cDNA	285	pBluescript-SK
p-csu610	10.04 (csu610)	EU746373	cDNA	447	pBluescript-SK
p-csu613	10.04 (csu613)	EU328283	cDNA	600	pBluescript-SK
p-csu614	1.07 (csu614)	EU746374	cDNA	336	pBluescript-SK
p-csu615	5.06 (csu615a), 10.06 (csu615b)	EU328284	cDNA	1604	pBluescript-SK
p-G21B-04	9.01 (npi253a), 4.08 (npi253b), 5.07 (npi253c), 6.04 (npi253d), 8.00-8.09 (npi253e), 10.00-10.07 (npi253f)	EU746375	Genomic	529	pUC19
p-G21G-09	4.05 (G21G-09)	EU728673	Genomic	1494	pUC19
p-npi294	2.09 (npi294a), 7.02 (npi294b), 6.05 (npi294c), 2.09 (npi294d), 7.02 (npi294e), 8.04 (npi294f), 4.09 (npi294g), 10.04 (npi294h), 1.12 (npi294i), 4.01 (npi294j)	EU746376	Genomic	594	pUC19
p-php10005	9.01 (php10005)	EU728674	Genomic	771	pUC19
p-php10012	2.04 (php10012)	EU746377	Genomic	613	pUC19
p-php20644	1.06 (php20644)	EU728675	Genomic	1700	pUC19
p-umc1	5.03 (umc1)	EU728676	Genomic	1111	pUC19
p-umc10	3.04 (umc10a), 2.08 (umc10b), 4.11(umc10c)	EU728678	Genomic	1060	pUC19
p-umc104	4.07 (umc104a), 5.08 (umc104b), 1.06 (umc104c)	EU728686	Genomic	769	pUC19
p-umc106	1.10 (umc106a), 5.02 (umc106b)	EU728687	Genomic	754	pUC19
p-umc12	8.05 (umc12a), 2.08-09 (umc12b), 4.07-08 (umc12c), 3.05 (umc12d), 6.01 (umc12e), 10.07 (umc12f), 1.09 (umc12g), 5.02 (umc12h)	EU746378	Genomic	586	pUC19

p-umc121	3.01 (umc121)	EU746381	Genomic	342	pUC19
p-umc125	2.08 (umc125a), 7.04 (umc125b)	EU728688	Genomic	1061	pUC19
p-umc135	2.04 (umc135)	EU728689	Genomic	851	pUC19
p-umc148	9.01 (umc148)	AY642962	Genomic	529	pUC19
p-umc154	3.04 (umc154)	EU728690	Genomic	743	pUC19
p-umc164	8.07 (umc164a), 3.07 (umc164b), 1.01 (umc164c)	EU728691	Genomic	1275	pUC19
p-umc18	3.05 (umc18a), 10.03 (umc18b)	EU728679	Genomic	867	pUC19
p-umc35	7.05 (umc35a), 2.09 (umc35b)	EU746379	Genomic	626	pUC19
p-umc36	2.09 (umc36a), 2.07 (umc36b), 6.01 (umc36c), 8.06-08 (umc36d)	EU746380	Genomic	661	pUC19
p-umc43	5.03 (umc43)	EU728680	Genomic	820	pUC19
p-umc45	7.05 (umc45a), 8.02 (umc45b), 10.04 (umc45c)	EU728681	Genomic	911	pUC19
p-umc61	2.03 (umc61)	EU728682	Genomic	1039	pUC19
p-umc8	1.03 (umc8a), 2.04 (umc8b), 2.05 (umc8g)	EU728677	Genomic	1148	pUC19
p-umc80	7.04 (umc80a), 2.08 (umc80b)	EU728683	Genomic	821	pUC19
p-umc84	1.11 (umc84a), 5.00 (umc84b), 8.06 (umc84c)	EU728684	Genomic	1035	pUC19
p-umc98	2.06-2.07 (umc98a), 7.02 (umc98b)	EU728685	Genomic	1194	pUC19

* All csu clones are B73 cDNAs from a library as described by Keith et al., *Plant Physiology*, vol. 101: pp. 329–332, 1993.