

Table S1. Functional Markers reportedly linked to different *erl* alleles.

Gene Variation	Marker Name	Type	Primer Sequence (5'-3')	Reference
<i>erl-1</i>	<i>erl-1/AsuHPI-B</i>	CAPS	Fwd -AGGTTTGCAAGGGACACAAC Rev -TGAAGAAGCTAACCTGATTCAACC	[168]
<i>erl-1</i>	KASPar- <i>erl-1</i>	KASPar	Fwd-C: CCCTTACAATCCATAACAAAATAGGTG Fwd-G: CCCTTACAATCCATAACAAAATAGGTC Common Rev: TTTGCAAGGGACACAACATTTGGAAGAA	[107]
<i>erl-2</i>	<i>erl-2/MGB</i>	STS	Fwd -CCAAAGGAGGGAAAGGAAAC Rev -GGAGCAGGTGACAGGAGAC	[168]
<i>erl-3</i>	<i>erl-3/XbaI</i>	dCAPS	Fwd - CAATTGAAGAGGATTTTAAAGTTGTTCTAG Rev -GCCAGATAGTTGGACTGCAAG	[168]
<i>erl-3</i>	KASPar- <i>erl-3</i>	KASPar	Fwd-G: GTATATTTAATCTTAAGTCACACCTTATTCC Fwd-N/A: AGTATATTTAATCTTAAGTCACACCTTATTCT Common Rev: AGATCAATTGAAGAGGATTTTAAAGTTGTT	[107]
<i>erl-4</i>	CAPS	<i>erl-4/AgsI</i>	Fwd -GCTGTTGCAGTTGTGTGTCTT Rev -GAACAAGGATGCCAAGTTGA	[168]
<i>erl-4</i>	KASPar- <i>erl-4</i>	KASPar	Fwd-A: GTGTCTTGTGTTGCTAGCTGTTTCAA Fwd-N/A: GTGTCTTGTGTTGCTAGCTGTTTCAT Common Rev: TAGAACGAACCATGCTTAGCTTACCTTT	[107]
<i>erl-5</i>	<i>erl-5/HRM54</i>	HRM	Fwd -GATGAGGAAGTGGAAGACTT Rev -AATTGATATTCAACTGTTCTTGTC	[168]
<i>erl-5</i>	KASPar- <i>erl-5</i>	KASPar	Fwd-G: ATTCAACTGTTCTTGTCTCATCTTCC Fwd-A: GATATTCAACTGTTCTTGTCTCATCTTCT Common Rev: TTTCTTCAGATGAGGAAGTGGAAGACTT	[107]
<i>erl-5</i>	GIM-300/SmlI	CAPS	Fwd -TCTGCATATGGAATTCACCAA Rev -AATTGATATTCAACTGTTCTTGTC	[96]
<i>erl-6</i>	KASPar- <i>erl-6</i>	KASPar	Fwd-T: TTGAAGTTACCTGAAAGAGAACAA Fwd-C: CTTTGAAGTTACCTGAAAGAGAACAG Common Rev: GTCCTCACCTTCTTCTTTCACGAT	[107]
<i>erl-7</i>	InDel111-120	indel	Fwd -GGAGTTAAGGAACGAACCTTGG Rev -CCATGTCTGCGTCTGTATCTTT	[69]
<i>erl-7</i>	KASPar- <i>erl-7</i>	KASPar	Fwd-TCATGTTATT: AGCTGTTTCAATCTTAATTGAACATATTATT Fwd-N/A: AGCTGTTTCAATCTTAATTGAACATATTATG Common reverse: ATAGAACGAACCATGCTTAGCTTACCTTT	[107]
<i>erl-8</i>	<i>InDel-erl-8</i>	indel	Fwd - GTTTTGACTGATATGACAGATGGGA Rev -GTTTGTAGACTGTCGCTGTTTCC	[102]

<i>erl-8</i>	KASPar- <i>erl-8</i>	KASPar	Fwd-TGG: TGGCAACAGCGCTTAAGAACTGG Fwd- GAGCAACAGCGCTTAAGAACTGG Common Rev: TGGTTGGTTTCATGGTTGATCCCATC	[102]
<i>erl-9</i>	KASPar- <i>erl-9</i>	KASPar	Fwd T: TTTTGTATATATGGGCAGGGTGGTATT Fwd- TGTTATATATGGGCAGGGTGGTATC Common Rev: CAAAATGTAGATTATGCTTACAATTAGTGGA	[102]
<i>erl-10</i>	KASPar- <i>erl-10</i>	KASPar	Fwd-G: TACAATTAGTGGAAGAAATGGAAGC Fwd-A: GCTTACAATTAGTGGAAGAAATGGAAGT Common Rev: GTTATATGGGCAGGGTGGTATTCTTATTA	[107]
<i>erl-11</i>	KASPar- <i>erl-11</i>	KASPar	Fwd-N/A: ATGCAAATCTCATGCGCGTGTGTA Fwd-GA: GCAAATCTCATGCGCGTGTGTG Common Rev: TCAGGATTCAAGATGAGATTCATGTACAAA	[107]

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