

Additional file 3: Table S1

A novel *Arabidopsis* marker line that strongly labels uninucleate microspores and the subsequent male gametophyte development stages.

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The different (and independently transformed) lines from the *pAt5g17340:Uida:GFP* marker line reported in this manuscript.

Independent transformant / lines:	Marker line construct:	Genotype / background:	Notes:
GC21 (<i>qrt1-1</i>)	<i>pAt5g17340:Uida:GFP</i>	F2 Col-0 x Landsberg	<ul style="list-style-type: none"> - Descendent from one (1st) of the independently transformed <i>pAt5g17340:Uida:GFP</i> lines and <i>qrt1-1</i>. - Line containing plants homozygous and heterozygous for the <i>qrt1-1</i> mutation and homozygous and hemizygous for the <i>pAt5g17340:Uida:GFP</i> construct.
G65	<i>pAt5g17340:Uida:GFP</i>	Col-0	<ul style="list-style-type: none"> - Descendent from a 2nd independently transformed <i>pAt5g17340:Uida:GFP</i> line. - Line containing plants homozygous and hemizygous for the <i>pAt5g17340:Uida:GFP</i> construct. - The anthers of hemizygous G65 plants exhibit a 50% GFP labelled <i>versus</i> 50% non-GFP labelled pollen ratio; indication of a single T-DNA insertion. - Lines descendent from G65, that are heterozygous for <i>qrt1-1</i> and hemizygous for the <i>pAt5g17340:Uida:GFP</i> construct (Hygromycin Resistant:Hygromycin sensitive; 3:1), are also available.
G138	<i>pAt5g17340:Uida:GFP</i>	Col-0	<ul style="list-style-type: none"> - Descendent from self-pollinated G65. - Is homozygous for the <i>pAt5g17340:Uida:GFP</i> construct.

G57	<i>pAt5g17340:UidA:GFP</i>	Col-0	<ul style="list-style-type: none"> - Descendent from a 3rd independently transformed <i>pAt5g17340:UidA:GFP</i> line. - Lines descendent from G57, that are heterozygous for <i>qrt1-1</i> and hemizygous for the <i>pAt5g17340:UidA:GFP</i> construct (Hygromycin Resistant:Hygromycin sensitive; 3:1), are also available.
G63	<i>pAt5g17340:UidA:GFP</i>	Col-0	<ul style="list-style-type: none"> - Descendent from self-pollinated G57. - Line containing plants homozygous and hemizygous for the <i>pAt5g17340:UidA:GFP</i> construct. - The anthers of hemizygous G63 plants exhibit a 50% GUS stained <i>versus</i> 50% non-GUS stained pollen ratio; indication of a single T-DNA insertion.
GC3 (<i>qrt1-1</i>)	<i>pAt5g17340:UidA:GFP</i>	F1 Col-0 x Landsberg	<ul style="list-style-type: none"> - GC3 is descendent from G57 and <i>qrt1-1</i>. - Line containing plants heterozygous for the <i>qrt1-1</i> mutation and hemizygous for the <i>pAt1g02790:UidA:GFP</i> construct.
GC7 (<i>qrt1-1</i>)	<i>pAt5g17340:UidA:GFP</i>	F1 Col-0 x Landsberg	<ul style="list-style-type: none"> - Descendent from a 4th independently transformed <i>pAt5g17340:UidA:GFP</i> line and <i>qrt1-1</i>. - Line containing plants heterozygous for the <i>qrt1-1</i> mutation and hemizygous for the <i>pAt1g02790:UidA:GFP</i> construct.
GC30 (<i>qrt1-1</i>)	<i>pAt5g17340:UidA:GFP</i>	F2 Col-0 x Landsberg	<ul style="list-style-type: none"> - GC30 is descendent from self-pollinated GC7. - Line containing plants homozygous and heterozygous for the <i>qrt1-1</i> mutation and homozygous and hemizygous for the <i>pAt5g17340:UidA:GFP</i> construct.

Additional file 3: Table S1 - Table listing the lines reported in this manuscript