		M	ean tocopherol levels *		
Generation	Event #	Ν	[ng/mg seed]	Sign	ificance*
R3	At-S10154N	12	477 ± 5.4	А	
R3	<i>At</i> -S10156N	10	453 ± 5.9		В
R3	At-S10160N	12	461 ± 5.4	А	В
R3	<i>At</i> -S10168N	12	469 ± 5.4	А	В
R3	<i>At</i> -S10177N	8	$454 \pm 6.6$	А	В
R3	<i>At</i> -S10134N	7	448 ± 7.0		В
	R3 R3 R3 R3 R3 R3	R3 At-S10154N   R3 At-S10156N   R3 At-S10160N   R3 At-S10168N   R3 At-S10177N	R3 At-S10154N 12   R3 At-S10156N 10   R3 At-S10160N 12   R3 At-S10168N 12   R3 At-S10168N 8	R3At-S10154N12477 $\pm$ 5.4R3At-S10156N10453 $\pm$ 5.9R3At-S10160N12461 $\pm$ 5.4R3At-S10168N12469 $\pm$ 5.4R3At-S10177N8454 $\pm$ 6.6	R3At-S10154N12 $477 \pm 5.4$ AR3At-S10156N10 $453 \pm 5.9$ R3At-S10160N12 $461 \pm 5.4$ AR3At-S10168N12 $469 \pm 5.4$ AR3At-S10177N8 $454 \pm 6.6$ A

## Supplemental Table 1: Tocopherol content of transgenic Arabidopsis seed from the R3 generation.

Abbreviations: \*, Means, standard error, and significance were calculated using Tukey-Kramer HSD, means followed by the same letters are not significantly different from each other ( $\alpha = 0.05$ ); *lt1*, low total tocopherol mutant 1; N, number of individual plants analyzed.