

**Supplementary Data 8.** Genotypic survey of tobacco cultivars from different market classes. for the *Yb* loci.

Line	Market class <sup>1</sup>	Accession Number <sup>2</sup>	TC Number <sup>3</sup>	Stem Color	<i>YB1</i> Genotype <sup>4</sup>	<i>YB2</i> Genotype <sup>5</sup>
Posey	Maryland	PI 552743	512	Green	<i>YB1</i>	<i>YB2</i>
Catterton	Maryland	PI 551332	494	Green	<i>YB1</i>	<i>YB2</i>
Green Brior	Burley	PI 552645	40	Green	<i>YB1</i>	<i>YB2</i>
Gertz	Maryland	PI 552641	496	Green	<i>YB1</i>	<i>YB2</i>
Sweeney	Maryland	PI 552762	514	Green	<i>YB1</i>	<i>YB2</i>
Moore	Maryland	PI 552703	511	Green	<i>YB1</i>	<i>YB2</i>
Wilson	Maryland	PI 551341	517	Green	<i>YB1</i>	<i>yb2</i>
Md 10	Maryland	PI 551333	498	Green	<i>YB1</i>	<i>yb2</i>
Md 59	Maryland	PI 552451	501	Green	<i>YB1</i>	<i>yb2</i>
Md 64	Maryland	PI 551334	502	Green	<i>YB1</i>	<i>yb2</i>
Md 609	Maryland	PI 552452	505	Green	<i>YB1</i>	<i>yb2</i>
Barnett Special	Burley	PI 552589	1	White	<i>yb1</i>	<i>yb2</i>
Judy's Pride	Burley	PI 552483	49	White	<i>yb1</i>	<i>yb2</i>
Kelly Brownleaf	Burley	PI 552670	50	White	<i>yb1</i>	<i>yb2</i>
Kelly Burley	Burley	PI 552671	51	White	<i>yb1</i>	<i>yb2</i>
Burley 1	Burley	PI 552360	3	White	<i>yb1</i>	<i>yb2</i>
Burley 2	Burley	PI 552361	4	White	<i>yb1</i>	<i>yb2</i>
Burley 11A	Burley	PI 552362	5	White	<i>yb1</i>	<i>yb2</i>
Burley 21	Burley	PI 552363	7	White	<i>yb1</i>	<i>yb2</i>
Ky 1	Burley	PI 552673	52	White	<i>yb1</i>	<i>yb2</i>
Ky 5	Burley	PI 551278	53	White	<i>yb1</i>	<i>yb2</i>
Ky 9	Burley	PI 552365	54	White	<i>yb1</i>	<i>yb2</i>
Ky 14	Burley	PI 552477	57	White	<i>yb1</i>	<i>yb2</i>
Ky 16	Burley	PI 552366	59	White	<i>yb1</i>	<i>yb2</i>

<sup>1</sup> According to USDA GRIN database

<sup>2</sup> USDA GRIN database

<sup>3</sup> 'TC' indicates Tobacco Cultivar in the United States *Nicotiana* Germplasm Collection.

<sup>4</sup> Determined by testing for for 1 bp insertion discovered in burley tobacco cultivar TN 90.

<sup>5</sup> Determined by testing for for 8 bp deletion mutation discovered in burley tobacco cultivar TN 90.