

Supplemental Table 2.- Hybridization intensities and expression ratios of flavanone 3-hydroxylase cDNAs detected in a second microarray experiment comparing younger flower bud RNAs of isogenic lines of the *Wp* locus in soybean.

Clone ID ^a	GenBank Acc. No.	Intensities ^b				Expression Ratios			Functional Annotation
		Replicate 1		Replicate 2		Line 1/Line 2			
		Line 1 (<i>Wp/Wp</i>)	Line 2 (<i>wp/wp</i>)	Line 1 (<i>Wp/Wp</i>)	Line 2 (<i>wp/wp</i>)	Rep 1	Rep 2	Ave ^c	
		Cy 5	Cy3	Cy3	Cy5				
Gm-c1012-683	AI900038	425	111	332	195	3.829	1.703	2.474	Flavanone 3-hydroxylase
Gm-c1012-683	AI900038	347	155	258	160	2.239	1.613	1.921	Flavanone 3-hydroxylase
Gm-c1019-2646	AW277481	781	368	159	95	2.122	1.674	2.030	Flavanone 3-hydroxylase
Gm-c1019-2646	AW277481	292	102	236	78	2.863	3.026	2.933	Flavanone 3-hydroxylase
Gm-c1019-2646	AW277481	323	97	196	62	3.330	3.161	3.264	Flavanone 3-hydroxylase
Gm-c1019-2646	AW277481	368	78	216	67	4.718	3.224	4.028	Flavanone 3-hydroxylase
Gm-c1012-683	AI900038	455	131	220	123	3.473	1.789	2.657	Flavanone 3-hydroxylase
Gm-c1012-683	AI900038	412	116	209	123	3.552	1.699	2.598	Flavanone 3-hydroxylase
Gm-c1019-2646	AW277481	209	82	183	68	2.549	2.691	2.613	Flavanone 3-hydroxylase
Gm-c1019-2646	AW277481	266	93	166	72	2.860	2.306	2.618	Flavanone 3-hydroxylase
Gm-c1012-683	AI900038	282	120	283	145	2.350	1.952	2.132	Flavanone 3-hydroxylase
Gm-c1019-2646	AW277481	252	147	202	67	1.714	3.015	2.121	Flavanone 3-hydroxylase
Gm-c1019-2646	AW277481	242	119	219	62	2.034	3.532	2.548	Flavanone 3-hydroxylase
(d)									
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Mean ratio						2.894	2.414	2.610	

- (a) Both clone IDs represent the same F3H sequence except Gm-c1012-683 is 60 bases longer at the 5' end than the Gm-c-1019-2646
- (b) Intensities after background subtraction and global normalization between replicates and within each slide are shown.
- (c) The average ratio of both microarray slides is calculated as follows:

$$\frac{(\text{Line 1 Rep 1 intensity} + \text{Line 1 Rep2 intensity})}{(\text{Line 2 Rep 1 intensity} + \text{Line2 Rep 2 intensity})}$$
- (d) The intensities of three of the F3H cDNA spots were lower than the cutoff baseline intensity value in the global normalization analysis.