

**Supplementary Table V.** Differentially expressed *Setaria viridis* genes that are homologous to genes that are induced by expression of *GLK1* or *GLK2* in *Arabidopsis thaliana* (Waters et al., 2009). Library normalised read counts, fold enrichment in each cell type, and Benjamini-Hochberg procedure adjusted p-values are shown.

Gene	ID	Cell type	M	BS	Fold change $\frac{BS}{M}$	Log <sub>2</sub> Fold change $\frac{BS}{M}$	P Adjusted
<i>LHCB1.5</i>	Si030845m.g	M	329754.59	214256.15	0.65	-0.62	8.59E-03
<i>LHCB3</i>	Si030808m.g	M	69664.66	19689.81	0.28	-1.82	1.67E-08
<i>LHCB4.1</i>	Si030702m.g	M	158921.39	59306.42	0.37	-1.42	1.86E-10
<i>LHCB5</i>	Si026725m.g	M	170643.29	82151.23	0.48	-1.05	2.94E-06
<i>LHCB6</i>	Si010905m.g	M	62537.49	30560.26	0.49	-1.03	4.53E-05
<i>PsbO</i>	Si002174m.g	M	205984.25	113623.24	0.55	-0.86	1.51E-04
<i>PsbP</i>	Si007114m.g	M	135618.28	51708.91	0.38	-1.39	4.06E-10
<i>PsbQ-1</i>	Si031101m.g	M	73530.28	30563.35	0.42	-1.27	1.34E-07
<i>PsbR</i>	Si014601m.g	M	188920.46	57988.65	0.31	-1.70	2.93E-14
<i>PsbW</i>	Si003335m.g	M	52710.16	36366.80	0.69	-0.54	2.32E-02
<i>PsbX</i>	Si031565m.g	M	50384.36	15294.66	0.30	-1.72	1.32E-14
<i>LHCA1</i>	Si006996m.g	BS	135715.62	224475.38	1.65	0.73	4.15E-03
<i>LHCA2</i>	Si030861m.g	BS	123485.25	191924.38	1.55	0.64	6.92E-02
<i>LHCA2.1</i>	Si030730m.g	BS	2927.20	13013.07	4.45	2.15	1.32E-11
<i>LHCA3</i>	Si007049m.g	BS	130094.59	179673.04	1.38	0.47	9.85E-02
<i>LHCA4</i>	Si014351m.g	BS	115742.58	232766.89	2.01	1.01	3.12E-05
<i>PsaD</i>	Si037566m.g	BS	102649.53	163186.65	1.59	0.67	1.00E-02
<i>PsaF</i>	Si037323m.g	BS	112081.39	161774.63	1.44	0.53	4.69E-02
<i>PsaG</i>	Si031456m.g	BS	50176.04	88714.89	1.77	0.82	2.36E-02
<i>PsaK</i>	Si031478m.g	BS	58531.95	91696.60	1.57	0.65	1.29E-02
<i>PsaL</i>	Si023254m.g	BS	132010.63	203674.75	1.54	0.63	1.74E-02