

## Supplementary Table S2

Reaction fluxes of the metabolic pathways of interest in *S. tuberosum* to evaluate photosynthetic capacity through compatible interaction with *P. infestans*.

Pathways	Reaction (ID KEGG)	Metabolic flux (0 dpi)	Metabolic flux (2 dpi)	Metabolic flux (3 dpi)
<b>Biomass Synthesis</b>	RBS01	1,313856	0,9435836	0,8790459
<b>Cyclic Photophosphorylation</b>	RK0004	0	0	0
<b>Non Cyclic Photophosphorylation</b>	RK0005	1,630357	1,408214	1,35
<b>Carbon Fixation</b>	R00024	46,38961	14,34539	25,7072
	R01512	19,59667	0	0
	R01061 *rev	-45,65	5,326667	-1,176667
	R01015	17,39	8,923333	0
	R01068 *rev	-5,79	-13,63667	0
	R00762	5,79667	13,63667	0
	R01067	5,79667	13,63667	0
	R01829	5,79667	12,67667	0
	R01845	5,79667	12,67667	13,94333
	R01641	25,52	12,91333	10,93469
	R01056	-5,036667	-2,386667	-2,251979
	R01523	46,3891	25,61669	25,7072
	R01529 *rev	-51,426	-28,00336	-25,65781
	R01051	-5,036667	-3,62	-5,69
<b>Photorespiration</b>	R03140	0	11,2713	0
	R01334	0	11,2713	0
	R00475	0	39,43	0
	R00009	0	36,37207	3,992193
	R00372	0	0	65,06771
	R00945	-40,9	2,556667	-2,646667
	R01221	28,57	10,43925	14,86955
	R00588	693,29	1543,01	854,7267
	R01388	-4,417	-3,146667	-19,57333
	R01514	0	0	0
<b>AGPase activity</b>	R00948	0.3481719	0.2500497	0.2329472
<b>Starch Synthesis</b>	R02110	26,29711	0,25	5,42
<b>Salicylic Acid Synthesis</b>	RK0003	0	0	0

\* rev = The direction of the metabolic flux in the metabolic pathway is reversed

