

**Table S1.** List of the nutrient solutions with their concentrations used for different growing environments of tomato plants.

<b>Maternal Environment*</b>	<b>NH4</b>	<b>K</b>	<b>Ca</b>	<b>Mg</b>	<b>NO3</b>	<b>CL</b>	<b>SO4</b>	<b>P</b>
<b>Standard</b>	1.2**	7	4.2	1.8	12.4	--	3.4	1
<b>Very Low Phosphate</b>	1.2	6.9	4.2	1.8	12.4	0.5	3.6	0
<b>Low Phosphate</b>	1.2	7	4.2	1.8	12.4	0.5	3.6	0.1
<b>High Phosphate</b>	1.2	8.6	5	1.8	12.4	--	3	5
<b>Very High Phosphate</b>	1.2	9.4	7.1	1.8	12.4	--	3	9.1
<b>Very Low Nitrate</b>	0	7	4.2	1.8	0	12.6	3.6	1
<b>Low Nitrate</b>	0.24	7	4.2	1.8	2.4	8.64	3.6	1
<b>High Nitrate</b>	6	7.8	4.2	1.8	14.4	2.2	3.6	1
<b>Very High Nitrate</b>	13	7	4.2	1.8	24	--	3.5	1

\* EC for all the environments: 2.2.

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