

## Supplementary Tables

Ref. No.: Agriculture-1539496

**Table S1.** Analysis of variance (ANOVA) for yield components and physiological parameters of tomato (cv. Kashi Aman)

Source of variation	DF	Mean Squares					
		Plant height (cm)	Av. Fruit wt. (g)	Fruit yield (g.plant <sup>-1</sup> )	TSS (°Brix)	SPAD index	RWC (%)
Year	1	15.41**	117.93**	230143.33**	0.002	100.23	18.19
Replication	4	0.16	0.62	986.16	0.011*	14.38	32.11**
Salinity	2	905.58**	1535.90**	9527469.83**	3.492*	235.69**	863.35**
Year x Salinity	2	3.39	1.81*	41009.20**	0.011*	3.90	0.85
Error (a)	8	1.37	0.23	374.120	0.003	7.54	4.70
Rootstock	2	81.17**	57.39**	650060.69**	0.010	46.25*	76.45
Salinity x Rootstock	4	8.77	20.71**	218971.16**	0.010*	28.95*	24.28
Year x Rootstock	2	4.16	3.02*	1503.80	0.005	0.20	0.58
Year x Salinity x Rootstock	4	0.98	3.95**	9805.79**	0.004	0.56	0.57
Error (b)	24	3.43	0.82	1496.87	0.004	13.41	9.98

\*\* significant at  $p$ -value < 0.01. \* significant at  $p$ -value < 0.05

**Table S2.** Analysis of variance (ANOVA) for biochemical parameters

Source of Variability	DF	Mean Squares				
		Proline	Catalase	APX	SOD	POX
Year	1	1472.14**	25.74**	1129.16**	4245.36**	21.12
Replication	4	50.29	0.45	15.45	123.74	4.31
Salinity	2	2902183.57**	50.39**	41743.18**	54273.64**	1645.39**
Year x Salinity	2	3096.00**	0.95	23.23	4892.33*	20.38
Error (a)	8	260.04	0.45	12.26	740.48	5.41
Rootstock	2	138219.99**	18.55**	686.30**	3419.75**	185.62**
Salinity x Rootstock	4	54909.82**	2.77**	143.35**	652.97	36.10**
Year x Rootstock	2	528.89	0.35	2.70	4.05	5.18
Year x Salinity x Rootstock	4	456.54	0.32	6.26	240.05	4.44
Error (b)	24	291.51	0.25	15.10	294.43	3.85

\*\* significant at  $p$ -value < 0.01. \* significant at  $p$ -value < 0.05

**Table S3.** Analysis of variance (ANOVA) FOR Na<sup>+</sup>, K<sup>+</sup> content and K<sup>+</sup>/Na<sup>+</sup> ratios of root and shoot parts

Source of Variability	DF	Mean Squares					
		Shoot Na <sup>+</sup>	Root Na <sup>+</sup>	Shoot K <sup>+</sup>	Root K <sup>+</sup>	K <sup>+</sup> /Na <sup>+</sup> in Shoot	K <sup>+</sup> /Na <sup>+</sup> in Root
Year	1	0.00	0.25	0.06	0.19**	0.001	0.004
Replication	4	0.03*	0.03	0.03	0.01	0.003	0.002
Salinity	2	94.39**	162.25**	48.49**	189.33**	17.710**	31.043**
Year x Salinity	2	0.06**	0.23**	0.18**	0.01	0.005*	0.035**
Error (a)	8	0.01	0.02	0.01	0.03	0.001	0.001
Rootstock	2	0.42**	1.67**	1.26**	2.35**	0.088**	0.153**
Salinity x Rootstock	4	0.24**	0.73**	0.42**	0.27**	0.129**	0.004
Year x Rootstock	2	0.02	0.05*	0.38**	0.14*	0.009*	0.002
Year x Salinity x Rootstock	4	0.00	0.04**	0.07*	0.05	0.005	0.001
Error (b)	24	0.00	0.01	0.02	0.03	0.003	0.002

\*\* significant at  $p$ -value < 0.01. \* significant at  $p$ -value < 0.05