

Table 2 Specific combining ability effects for different traits in cherry tomato lines

Crosses/Hybrid	Plant height (cm)	No. of primary branches	No. of secondary branches	Total inflorescence	Average fruit weight (g)	Fruits/kg	Fruits/cluster	Fruits/plant
IIHR-2754×IIHR-2858	-9.95 **	0.29 **	-0.28	-2.53 **	-1.16 **	5.24 **	0.26	-9.31
IIHR2754×IIHR-2860	9.38 *	0.18 *	0.06	-0.38	3.78 **	-15.65 **	-0.56 **	-31.87 **
IIHR-2754×IIHR-2863	20.71 **	0.32 **	-0.80 **	9.73 **	2.51 **	-12.35 **	-1.19 **	19.76 *
IIHR-2754×IIHR-2864	-3.69	-0.23 **	2.09 **	-5.94 **	-3.42 **	3.91 **	-0.70 **	-77.02 **
IIHR-2754×IIHR-2865	17.45 **	-0.12	-1.24 **	-1.79 *	2.75 **	-12.43 **	-0.15	-24.24 **
IIHR-2754×IIHR-2866	-4.73	-0.34 **	-0.02	2.40 **	0.36	-2.31 **	-0.26	8.43
IIHR-2858×IIHR-2860	-1.66	-0.16 *	0.35	20.18 **	-1.19 **	4.13 **	0.41 **	196.35 **
IIHR-2858×IIHR2863	-26.32 **	-0.01	0.17	-6.05 **	0.17	-0.91	-0.22	-56.02 **
IIHR-2858×IIHR-2864	23.60 **	0.10	-0.28	-1.71 *	-0.52 *	-1.98 **	-1.07 **	-58.80 **
IIHR-2858×IIHR-2865	14.08 **	-0.12	-0.94 **	2.44 **	1.62 **	-5.65 **	-0.19	10.31
IIHR-2858×IIHR-2866	22.90 **	-0.01	-0.39 *	0.29	3.26 **	-11.54 **	-0.30 *	-10.35
IIHR-2860×IIHR-2863	-18.32 **	-0.12	0.50 **	-0.23	1.67 **	-6.13 **	0.30 *	12.76
IIHR-2860×IIHR-2864	7.94 *	0.32 **	-0.94 **	-3.23 **	1.75 **	-4.87 **	-0.89 **	-56.02 **
IIHR-2860×IIHR-2865	4.08	0.44 **	1.06 **	-1.08	1.53 **	-5.20 **	-0.67 **	-35.91 **
IIHR-2860×IIHR-2866	17.90 **	-0.12	-0.39 *	-2.56 **	-0.91 **	3.24 **	-1.11 **	-64.24 **
IIHR-2863×IIHR-2864	24.27 **	-0.19 *	1.87 **	8.55 **	-0.96 **	-0.91	-0.52 **	34.94 **
IIHR-2863×IIHR-2865	12.42 **	-0.08	-1.46 **	3.03 **	1.44 **	-5.24 **	0.04	30.39 **
IIHR-2863×IIHR-2866	11.90 **	0.03	-1.57 **	1.88 **	1.41 **	-5.46 **	0.26	29.39 **
IIHR-2864×IIHR-2865	-18.99 **	-0.31 **	-2.91 **	1.03	-5.15 **	13.69 **	-0.15	3.28
IIHR-2864×IIHR2866	-10.84 **	-0.19 *	-0.69 **	2.88 **	-2.07 **	2.13 **	0.74 **	53.28 **
IIHR-2865×IIHR-2866	-6.69	-0.08	0.65 **	-1.31	0.10	0.80	0.30 *	1.39
SE ±	3.63	0.07	0.18	0.70	0.19	0.60	0.13	8.78
CD @ 5 %	7.11	0.15	0.36	1.37	0.37	1.18	0.25	17.2
CD @ 1 %	9.32	0.2	0.48	1.8	0.48	1.55	0.33	22.47

Continuing table 2

Crosses/Hybrid	Plant height (cm)	No. of primary branches	No. of secondary branches	Total inflorescence	Average fruit weight (g)	Fruits/kg	Fruits/cluster	Fruits/plant
IIHR-2754×IIHR-2858	0.21 **	8.45 **	5.28 **	0.25 *	-0.50 **	-0.60 **		
IIHR2754×IIHR-2860	1.19 **	-11.55 **	-7.22 **	0.32 **	-1.92 **	0.02		
IIHR-2754×IIHR-2863	-0.21 **	-0.06	-0.04	-0.34 **	2.80 **	0.41 **		
IIHR-2754×IIHR-2864	-0.13 **	11.56 **	7.23 **	0.29 *	0.73 **	0.10 *		
IIHR-2754×IIHR-2865	0.77 **	7.97 **	4.98 **	-0.23	0.72 **	0.57 **		
IIHR-2754×IIHR-2866	0.19 **	25.31 **	15.82 **	-0.12	-1.23 **	-0.10 *		
IIHR-2858×IIHR-2860	0.41 **	-0.58	-0.36	-0.34 **	-0.66 **	-0.50 **		
IIHR-2858×IIHR2863	-0.19 **	5.90 **	3.69 **	-0.01	-0.60 **	0.69 **		
IIHR-2858×IIHR-2864	0.39 **	4.53 **	2.83 **	-0.38 **	0.53 **	1.51 **		
IIHR-2858×IIHR-2865	-0.38 **	-3.73 **	-2.33 **	-0.56 **	1.11 **	0.84 **		
IIHR-2858×IIHR-2866	0.11 **	11.27 **	7.04 **	-0.12	1.14 **	0.37 **		
IIHR-2860×IIHR-2863	-0.21 **	5.90 **	3.69 **	0.06	1.31 **	-0.26 **		
IIHR-2860×IIHR-2864	-0.03	10.19 **	6.37 **	0.03	2.71 **	0.43 **		
IIHR-2860×IIHR-2865	0.23 **	14.27 **	8.92 **	-0.1	0.16 **	-0.10 *		
IIHR-2860×IIHR-2866	-0.08 *	-2.40 **	-1.50 **	-0.05	1.62 **	0.19 **		
IIHR-2863×IIHR-2864	0.24 **	2.68 **	1.67 **	-0.31 *	-0.83 **	-0.25 **		
IIHR-2863×IIHR-2865	0.30 **	4.42 **	2.76 **	-0.16	-1.18 **	0.25 **		
IIHR-2863×IIHR-2866	0.16 **	15.08 **	9.43 **	-0.05	1.64 **	0.38 **		
IIHR-2864×IIHR-2865	0.22 **	0.05 ns	0.03	0.14	-0.88 **	-0.06		
IIHR-2864×IIHR2866	-0.06	-8.29 **	-5.18 **	0.25 *	-0.99 **	-0.53 **		
IIHR-2865×IIHR-2866	-0.23 **	-0.55	-0.34	0.40 **	1.79 **	-0.26 **		
SE ±	0.03	0.35	0.22	0.12	0.05	0.04		
CD @ 5 %	0.06	0.06	0.43	0.23	0.1	0.09		
CD @ 1 %	0.09	0.86	0.568	0.3	0.13	0.12		

Note: \*: Significant at 5%; \*\*: Significant at 1%