

Table 4 Selection of genotypes based on the best selection index (X3 + X4 + X5) with mean value and relative genetic score

Genotype code	Fruit weight (gm)	Fruits/plant	Yield/plant (gm)	Selection score
G1	1.62	116.50	188.58	272.06
G2	1.94	114.50	224.12	302.23
G3	2.63	82.00	215.64	267.14
G4	1.52	74.50	112.33	167.38
G5	1.70	144.00	243.21	344.77
G6	9.11	33.50	307.41	315.42
G7	3.81	97.50	371.83	420.85
G8	2.42	138.00	334.22	421.14
G9	0.93	86.50	79.44	147.95
G10	2.63	88.50	233.46	288.63
G11	1.88	64.50	121.21	166.99
G12	1.37	83.50	114.45	176.97
G13	2.74	111.00	302.38	369.65
G14	2.92	70.50	202.67	245.95
G15	1.37	93.50	125.97	195.97
G16	1.36	107.50	147.24	227.13
G17	1.17	69.00	81.01	134.28
G18	1.85	117.00	214.99	296.22
G19	3.25	125.00	406.88	475.25
G20	2.05	87.00	175.22	234.87
G21	1.71	130.00	221.49	313.22
G22	2.03	80.50	163.58	218.82
G23	1.87	82.00	154.38	211.76
G24	3.68	93.00	345.86	393.69
G25	3.49	177.00	617.13	707.58
G26	1.44	106.00	156.14	233.81
G27	1.77	258.00	459.47	636.79
G28	2.33	139.00	321.55	410.68
G29	2.75	180.00	492.51	598.78
G30	1.18	59.00	69.38	115.20