

Table 2 Simulative selection of salt, alkali, and salt–alkali stress tolerant individuals of apple rootstocks by genomics-assisted prediction in an F1 population derived from *Malus robusta* Rehd. ‘Baleng Crab’ × *M. pumila* Mill. ‘M9’

Trait	GPV criterion	Number of selections	Selection rate	GPV	Number of selections (OPV≤GPV)	Efficiency
Salt injury index	≤0.10	24	8.42%	0.06	13	54.17%
	≤0.20	48	16.84%	0.11	28	58.33%
	≤0.30	74	25.96%	0.16	35	47.30%
	≤0.40	106	37.19%	0.21	41	38.68%
	≤0.50	139	48.77%	0.27	45	32.37%
Alkali injury index	≤0.10	23	7.69%	0.05	13	56.52%
	≤0.20	54	18.06%	0.1	22	40.74%
	≤0.30	102	34.11%	0.17	33	32.35%
	≤0.40	138	46.15%	0.22	39	28.26%
	≤0.50	174	58.19%	0.27	42	24.14%
Salt-alkali injury index	≤0.12	0	0.00%	0	0	0.00%
	≤0.22	0	0.00%	0	0	0.00%
	≤0.32	83	42.78%	0.4142	26	31.33%
	≤0.42	83	42.78%	0.4142	26	31.33%
	≤0.52	83	42.78%	0.4142	26	31.33%