■ Table S1 The mean genetic value and the standard deviation of the top-10 individuals for each parental selection method over 250 experiments.

Breeding	Baseline Method	Scoping Method	Scoping Method	Scoping Method	Population Merit	PSC Method	MVT Method
Cycle		(SR = 0.1)	(SR = 0.3)	(SR = 0.6)	Method (c = 20)	(d = -0.15)	
1	0.23 ± 0.08	$\textbf{0.23} \pm \textbf{0.08}$	$\textbf{0.23} \pm \textbf{0.08}$	$\textbf{0.23} \pm \textbf{0.08}$	$\textbf{0.23} \pm \textbf{0.08}$	0.23 ± 0.08	0.23 ± 0.08
3	$\textbf{0.34} \pm \textbf{0.08}$	$\textbf{0.34} \pm \textbf{0.08}$	$\textbf{0.34} \pm \textbf{0.07}$	$\textbf{0.34} \pm \textbf{0.08}$	$\textbf{0.34} \pm \textbf{0.08}$	$\textbf{0.35} \pm \textbf{0.08}$	$\textbf{0.34} \pm \textbf{0.08}$
5	$\textbf{0.41} \pm \textbf{0.09}$	$\textbf{0.42} \pm \textbf{0.07}$	0.41 ± 0.07	$\textbf{0.40} \pm \textbf{0.08}$	$\textbf{0.40} \pm \textbf{0.08}$	$\textbf{0.42} \pm \textbf{0.08}$	$\textbf{0.40} \pm \textbf{0.08}$
7	$\textbf{0.46} \pm \textbf{0.08}$	$\textbf{0.47} \pm \textbf{0.08}$	$\textbf{0.47} \pm \textbf{0.07}$	$\textbf{0.45} \pm \textbf{0.07}$	$\textbf{0.45} \pm \textbf{0.08}$	$\textbf{0.46} \pm \textbf{0.08}$	$\textbf{0.45} \pm \textbf{0.08}$
9	$\textbf{0.50} \pm \textbf{0.08}$	0.51 ± 0.08	0.51 ± 0.07	$\textbf{0.50} \pm \textbf{0.07}$	$\textbf{0.49} \pm \textbf{0.07}$	$\textbf{0.50} \pm \textbf{0.08}$	$\textbf{0.48} \pm \textbf{0.08}$
11	$\textbf{0.52} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.08}$	$\textbf{0.55} \pm \textbf{0.07}$	$\textbf{0.53} \pm \textbf{0.07}$	$\textbf{0.52} \pm \textbf{0.08}$	$\textbf{0.52} \pm \textbf{0.08}$	$\textbf{0.51} \pm \textbf{0.08}$
13	$\textbf{0.54} \pm \textbf{0.08}$	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.57} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.07}$	$\textbf{0.54} \pm \textbf{0.07}$	$\textbf{0.53} \pm \textbf{0.09}$	$\textbf{0.53} \pm \textbf{0.08}$
15	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.57} \pm \textbf{0.07}$	$\textbf{0.60} \pm \textbf{0.07}$	$\textbf{0.58} \pm \textbf{0.06}$	$\textbf{0.56} \pm \textbf{0.07}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.54} \pm \textbf{0.08}$
17	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.62} \pm \textbf{0.07}$	$\textbf{0.60} \pm \textbf{0.07}$	$\textbf{0.57} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.55} \pm \textbf{0.08}$
19	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.59} \pm \textbf{0.08}$	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.62} \pm \textbf{0.07}$	$\textbf{0.58} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.56} \pm \textbf{0.08}$
21	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.59} \pm \textbf{0.08}$	$\textbf{0.65} \pm \textbf{0.07}$	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.60} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.56} \pm \textbf{0.08}$
23	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.59} \pm \textbf{0.08}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.65} \pm \textbf{0.07}$	$\textbf{0.60} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.57} \pm \textbf{0.08}$
25	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.66} \pm \textbf{0.07}$	0.61 ± 0.07	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.57} \pm \textbf{0.08}$
27	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.67} \pm \textbf{0.07}$	$\textbf{0.67} \pm \textbf{0.07}$	0.61 ± 0.07	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.57} \pm \textbf{0.08}$
29	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.68} \pm \textbf{0.07}$	$\textbf{0.68} \pm \textbf{0.06}$	$\textbf{0.62} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
31	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.68} \pm \textbf{0.07}$	$\textbf{0.68} \pm \textbf{0.06}$	$\textbf{0.62} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
33	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.69} \pm \textbf{0.07}$	$\textbf{0.69} \pm \textbf{0.06}$	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
35	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.69} \pm \textbf{0.07}$	$\textbf{0.70} \pm \textbf{0.06}$	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
37	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.70} \pm \textbf{0.07}$	$\textbf{0.70} \pm \textbf{0.06}$	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
39	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.70} \pm \textbf{0.07}$	0.71 ± 0.06	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
41	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.70} \pm \textbf{0.07}$	0.71 ± 0.06	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
43	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	0.71 ± 0.07	0.71 ± 0.06	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
45	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	0.71 ± 0.07	$\textbf{0.72} \pm \textbf{0.06}$	$\textbf{0.64} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
47	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	0.71 ± 0.07	$\textbf{0.72} \pm \textbf{0.06}$	$\textbf{0.64} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
49	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	0.71 ± 0.07	$\textbf{0.73} \pm \textbf{0.06}$	$\textbf{0.64} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
50	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	0.71 ± 0.07	$\textbf{0.73} \pm \textbf{0.06}$	$\textbf{0.64} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$

■ Table S2 The mean genetic value and the standard deviation of the breeding population for each parental selection method over 250 experiments.

Breeding	Baseline Method	Scoping Method	Scoping Method	Scoping Method	Population Merit	PSC Method	MVT Method
Cycle		(SR = 0.1)	(SR = 0.3)	(SR = 0.6)	Method (c = 20)	(d = -0.15)	
1	$\textbf{0.07} \pm \textbf{0.09}$	0.07 ± 0.09	$\textbf{0.07} \pm \textbf{0.09}$				
3	$\textbf{0.20} \pm \textbf{0.09}$	$\textbf{0.20} \pm \textbf{0.08}$	$\textbf{0.19} \pm \textbf{0.08}$	$\textbf{0.17} \pm \textbf{0.09}$	$\textbf{0.19} \pm \textbf{0.08}$	0.21 ± 0.08	$\textbf{0.19} \pm \textbf{0.08}$
5	$\textbf{0.29} \pm \textbf{0.09}$	$\textbf{0.29} \pm \textbf{0.08}$	$\textbf{0.26} \pm \textbf{0.08}$	$\textbf{0.24} \pm \textbf{0.08}$	$\textbf{0.26} \pm \textbf{0.08}$	$\textbf{0.30} \pm \textbf{0.08}$	$\textbf{0.27} \pm \textbf{0.08}$
7	$\textbf{0.35} \pm \textbf{0.09}$	$\textbf{0.35} \pm \textbf{0.08}$	$\textbf{0.33} \pm \textbf{0.08}$	$\textbf{0.30} \pm \textbf{0.08}$	$\textbf{0.32} \pm \textbf{0.08}$	$\textbf{0.36} \pm \textbf{0.08}$	$\textbf{0.33} \pm \textbf{0.08}$
9	$\textbf{0.40} \pm \textbf{0.09}$	0.41 ± 0.08	$\textbf{0.38} \pm \textbf{0.08}$	$\textbf{0.35} \pm \textbf{0.08}$	$\textbf{0.37} \pm \textbf{0.08}$	0.41 ± 0.08	$\textbf{0.42} \pm \textbf{0.08}$
11	$\textbf{0.44} \pm \textbf{0.08}$	$\textbf{0.45} \pm \textbf{0.08}$	$\textbf{0.42} \pm \textbf{0.07}$	$\textbf{0.39} \pm \textbf{0.07}$	$\textbf{0.40} \pm \textbf{0.08}$	$\textbf{0.44} \pm \textbf{0.08}$	$\textbf{0.42} \pm \textbf{0.08}$
13	$\textbf{0.47} \pm \textbf{0.08}$	$\textbf{0.48} \pm \textbf{0.08}$	$\textbf{0.46} \pm \textbf{0.07}$	$\textbf{0.42} \pm \textbf{0.07}$	$\textbf{0.44} \pm \textbf{0.08}$	$\textbf{0.47} \pm \textbf{0.09}$	$\textbf{0.45} \pm \textbf{0.08}$
15	$\textbf{0.49} \pm \textbf{0.08}$	$\textbf{0.50} \pm \textbf{0.08}$	$\textbf{0.49} \pm \textbf{0.07}$	$\textbf{0.45} \pm \textbf{0.07}$	$\textbf{0.46} \pm \textbf{0.08}$	$\textbf{0.48} \pm \textbf{0.09}$	$\textbf{0.47} \pm \textbf{0.08}$
17	$\textbf{0.50} \pm \textbf{0.08}$	$\textbf{0.52} \pm \textbf{0.08}$	$\textbf{0.52} \pm \textbf{0.07}$	$\textbf{0.48} \pm \textbf{0.07}$	$\textbf{0.48} \pm \textbf{0.08}$	$\textbf{0.50} \pm \textbf{0.09}$	$\textbf{0.49} \pm \textbf{0.08}$
19	$\textbf{0.52} \pm \textbf{0.08}$	$\textbf{0.53} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.07}$	$\textbf{0.50} \pm \textbf{0.07}$	$\textbf{0.50} \pm \textbf{0.08}$	0.51 ± 0.09	$\textbf{0.50} \pm \textbf{0.08}$
21	$\textbf{0.52} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.08}$	$\textbf{0.55} \pm \textbf{0.07}$	$\textbf{0.52} \pm \textbf{0.07}$	0.51 ± 0.08	$\textbf{0.52} \pm \textbf{0.09}$	0.51 ± 0.08
23	$\textbf{0.53} \pm \textbf{0.08}$	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.57} \pm \textbf{0.07}$	$\textbf{0.53} \pm \textbf{0.07}$	$\textbf{0.53} \pm \textbf{0.08}$	$\textbf{0.52} \pm \textbf{0.09}$	$\textbf{0.52} \pm \textbf{0.08}$
25	$\textbf{0.53} \pm \textbf{0.08}$	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.07}$	$\textbf{0.54} \pm \textbf{0.08}$	$\textbf{0.53} \pm \textbf{0.09}$	$\textbf{0.53} \pm \textbf{0.08}$
27	$\textbf{0.54} \pm \textbf{0.08}$	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.59} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.53} \pm \textbf{0.09}$	$\textbf{0.53} \pm \textbf{0.08}$
29	$\textbf{0.54} \pm \textbf{0.08}$	$\textbf{0.57} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.07}$	$\textbf{0.57} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.53} \pm \textbf{0.09}$	$\textbf{0.54} \pm \textbf{0.08}$
31	$\textbf{0.54} \pm \textbf{0.08}$	$\textbf{0.57} \pm \textbf{0.08}$	0.61 ± 0.07	$\textbf{0.59} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.53} \pm \textbf{0.09}$	$\textbf{0.54} \pm \textbf{0.08}$
33	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.57} \pm \textbf{0.08}$	$\textbf{0.62} \pm \textbf{0.07}$	$\textbf{0.59} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.55} \pm \textbf{0.08}$
35	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.60} \pm \textbf{0.07}$	$\textbf{0.57} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.55} \pm \textbf{0.08}$
37	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.63} \pm \textbf{0.07}$	0.61 ± 0.07	$\textbf{0.57} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.55} \pm \textbf{0.08}$
39	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.64} \pm \textbf{0.07}$	$\textbf{0.62} \pm \textbf{0.07}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.55} \pm \textbf{0.08}$
41	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.64} \pm \textbf{0.07}$	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.56} \pm \textbf{0.08}$
43	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.65} \pm \textbf{0.07}$	$\textbf{0.63} \pm \textbf{0.07}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.56} \pm \textbf{0.08}$
45	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.65} \pm \textbf{0.08}$	$\textbf{0.64} \pm \textbf{0.07}$	$\textbf{0.59} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.56} \pm \textbf{0.08}$
47	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.64} \pm \textbf{0.07}$	$\textbf{0.59} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.56} \pm \textbf{0.08}$
49	$\textbf{0.55} \pm \textbf{0.08}$	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.65} \pm \textbf{0.07}$	$\textbf{0.59} \pm \textbf{0.08}$	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.56} \pm \textbf{0.08}$
50	0.55 ± 0.08	0.58 ± 0.08	0.66 ± 0.07	0.65 ± 0.07	0.59 ± 0.08	$\textbf{0.54} \pm \textbf{0.09}$	$\textbf{0.56} \pm \textbf{0.08}$

■ Table S3 The maximum reachable genetic value and the standard deviation of the breeding population for each parental selection method over 250 experiments.

Breeding	Baseline Method	Scoping Method	Scoping Method	Scoping Method	Population Merit	PSC Method	MVT Method
Cycle		(SR = 0.1)	(SR = 0.3)	(SR = 0.6)	Method (c = 20)	(d = -0.15)	
1	0.91 ± 0.05	$\textbf{0.90} \pm \textbf{0.05}$	0.90 ± 0.05	$\textbf{0.90} \pm \textbf{0.05}$	0.91 ± 0.05	0.91 ± 0.05	0.91 ± 0.05
3	$\textbf{0.78} \pm \textbf{0.07}$	$\textbf{0.78} \pm \textbf{0.08}$	$\textbf{0.86} \pm \textbf{0.06}$	$\textbf{0.88} \pm \textbf{0.05}$	$\textbf{0.84} \pm \textbf{0.07}$	$\textbf{0.77} \pm \textbf{0.08}$	$\textbf{0.80} \pm \textbf{0.07}$
5	$\textbf{0.72} \pm \textbf{0.08}$	$\textbf{0.74} \pm \textbf{0.08}$	$\textbf{0.84} \pm \textbf{0.06}$	$\textbf{0.86} \pm \textbf{0.06}$	$\textbf{0.80} \pm \textbf{0.07}$	0.71 ± 0.08	$\textbf{0.75} \pm \textbf{0.08}$
7	$\textbf{0.68} \pm \textbf{0.08}$	0.71 ± 0.08	$\textbf{0.82} \pm \textbf{0.07}$	$\textbf{0.85} \pm \textbf{0.06}$	$\textbf{0.76} \pm \textbf{0.07}$	$\textbf{0.67} \pm \textbf{0.09}$	0.71 ± 0.08
9	$\textbf{0.65} \pm \textbf{0.09}$	$\textbf{0.69} \pm \textbf{0.09}$	0.81 ± 0.07	$\textbf{0.85} \pm \textbf{0.06}$	$\textbf{0.74} \pm \textbf{0.07}$	$\textbf{0.64} \pm \textbf{0.09}$	$\textbf{0.68} \pm \textbf{0.08}$
11	$\textbf{0.63} \pm \textbf{0.08}$	$\textbf{0.67} \pm \textbf{0.09}$	$\textbf{0.80} \pm \textbf{0.07}$	$\textbf{0.84} \pm \textbf{0.06}$	$\textbf{0.73} \pm \textbf{0.07}$	$\textbf{0.62} \pm \textbf{0.09}$	$\textbf{0.66} \pm \textbf{0.08}$
13	$\textbf{0.62} \pm \textbf{0.09}$	$\textbf{0.65} \pm \textbf{0.08}$	$\textbf{0.79} \pm \textbf{0.07}$	$\textbf{0.84} \pm \textbf{0.06}$	0.71 ± 0.07	$\textbf{0.60} \pm \textbf{0.09}$	$\textbf{0.64} \pm \textbf{0.08}$
15	$\textbf{0.60} \pm \textbf{0.09}$	$\textbf{0.64} \pm \textbf{0.08}$	$\textbf{0.79} \pm \textbf{0.07}$	$\textbf{0.83} \pm \textbf{0.06}$	$\textbf{0.70} \pm \textbf{0.07}$	$\textbf{0.59} \pm \textbf{0.09}$	$\textbf{0.63} \pm \textbf{0.09}$
17	$\textbf{0.59} \pm \textbf{0.08}$	$\textbf{0.63} \pm \textbf{0.08}$	$\textbf{0.78} \pm \textbf{0.07}$	$\textbf{0.83} \pm \textbf{0.06}$	$\textbf{0.70} \pm \textbf{0.07}$	$\textbf{0.58} \pm \textbf{0.09}$	$\textbf{0.62} \pm \textbf{0.08}$
19	$\textbf{0.59} \pm \textbf{0.08}$	$\textbf{0.63} \pm \textbf{0.08}$	$\textbf{0.78} \pm \textbf{0.07}$	$\textbf{0.82} \pm \textbf{0.06}$	$\textbf{0.69} \pm \textbf{0.07}$	$\textbf{0.58} \pm \textbf{0.09}$	0.61 ± 0.09
21	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.62} \pm \textbf{0.08}$	$\textbf{0.77} \pm \textbf{0.07}$	$\textbf{0.82} \pm \textbf{0.06}$	$\textbf{0.68} \pm \textbf{0.07}$	$\textbf{0.57} \pm \textbf{0.09}$	0.61 ± 0.08
23	$\textbf{0.58} \pm \textbf{0.08}$	$\textbf{0.62} \pm \textbf{0.08}$	$\textbf{0.77} \pm \textbf{0.07}$	$\textbf{0.82} \pm \textbf{0.06}$	$\textbf{0.68} \pm \textbf{0.07}$	$\textbf{0.57} \pm \textbf{0.09}$	$\textbf{0.60} \pm \textbf{0.08}$
25	$\textbf{0.58} \pm \textbf{0.09}$	0.61 ± 0.08	$\textbf{0.76} \pm \textbf{0.07}$	$\textbf{0.82} \pm \textbf{0.06}$	$\textbf{0.68} \pm \textbf{0.07}$	$\textbf{0.57} \pm \textbf{0.09}$	$\textbf{0.60} \pm \textbf{0.08}$
27	$\textbf{0.57} \pm \textbf{0.09}$	0.61 ± 0.08	$\textbf{0.76} \pm \textbf{0.07}$	$\textbf{0.81} \pm \textbf{0.06}$	$\textbf{0.68} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.09}$	$\textbf{0.60} \pm \textbf{0.08}$
29	$\textbf{0.57} \pm \textbf{0.09}$	$\textbf{0.61} \pm \textbf{0.08}$	$\textbf{0.76} \pm \textbf{0.07}$	$\textbf{0.81} \pm \textbf{0.06}$	$\textbf{0.67} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.09}$	$\textbf{0.59} \pm \textbf{0.08}$
31	$\textbf{0.57} \pm \textbf{0.09}$	$\textbf{0.61} \pm \textbf{0.08}$	$\textbf{0.76} \pm \textbf{0.07}$	$\textbf{0.81} \pm \textbf{0.06}$	$\textbf{0.67} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.09}$	$\textbf{0.59} \pm \textbf{0.08}$
33	$\textbf{0.57} \pm \textbf{0.09}$	0.61 ± 0.08	$\textbf{0.75} \pm \textbf{0.07}$	$\textbf{0.81} \pm \textbf{0.06}$	$\textbf{0.67} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.09}$	$\textbf{0.59} \pm \textbf{0.08}$
35	$\textbf{0.57} \pm \textbf{0.09}$	$\textbf{0.61} \pm \textbf{0.08}$	$\textbf{0.75} \pm \textbf{0.07}$	$\textbf{0.81} \pm \textbf{0.06}$	$\textbf{0.67} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.09}$	$\textbf{0.59} \pm \textbf{0.08}$
37	$\textbf{0.57} \pm \textbf{0.09}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.75} \pm \textbf{0.07}$	0.81 ± 0.06	$\textbf{0.67} \pm \textbf{0.07}$	$\textbf{0.56} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
39	$\textbf{0.57} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.75} \pm \textbf{0.07}$	0.80 ± 0.06	$\textbf{0.67} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
41	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.75} \pm \textbf{0.07}$	0.80 ± 0.06	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
43	$\textbf{0.56} \pm \textbf{0.09}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.75} \pm \textbf{0.07}$	$\textbf{0.80} \pm \textbf{0.06}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
45	$\textbf{0.56} \pm \textbf{0.09}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.75} \pm \textbf{0.07}$	$\textbf{0.80} \pm \textbf{0.06}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
47	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.74} \pm \textbf{0.07}$	$\textbf{0.80} \pm \textbf{0.06}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
49	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.74} \pm \textbf{0.07}$	$\textbf{0.80} \pm \textbf{0.06}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$
50	$\textbf{0.56} \pm \textbf{0.08}$	$\textbf{0.60} \pm \textbf{0.08}$	$\textbf{0.74} \pm \textbf{0.07}$	$\textbf{0.80} \pm \textbf{0.06}$	$\textbf{0.66} \pm \textbf{0.07}$	$\textbf{0.55} \pm \textbf{0.09}$	$\textbf{0.58} \pm \textbf{0.08}$