

Appendix Supplementary Tables

Supplementary Table 1. Effect of medium, supplement and hybrid on seed germination and protocorm induction in *Phalaenopsis* hybrids

Hybrid	Treatment		Mean number of seed germination
	Medium	Supplement	
H	½MS	Pep	100 ^a
N	½MS	Pep	100 ^a
N	½MS	CW+Pep	99.1 ^{a,b}
H	M	Pep	97.38 ^{a,b}
B	½MS	CW+Pep	96.81 ^{a,c}
B	½MS	Pep	96.7 ^{a,c}
B	M	Pep	95.3 ^{a,d}
F	M	Pep	90.5 ^{a,e}
N	PM	Pep	89.47 ^{a,e}
J	M	Pep	88.93 ^{a,e}
F	½MS	Pep	88.07 ^{a,e}
J	½MS	CW+Pep	87.5 ^{a,e}
N	M	CW+Pep	87.49 ^{a,e}
H	M	CW+Pep	87.10 ^{a,e}
N	M	Pep	86.21 ^{a,e}
H	½MS	CW+Pep	86 ^{b,e}
J	M	CW+Pep	85.86 ^{b,e}
F	PM	Pep	85.58 ^{b,e}
F	M	CW+Pep	83.40 ^{c,f}
N	M	CW	82.90 ^{c,f}
H	M	CW	82.65 ^{d,f}
B	PM	Pep	80.70 ^{e,f}
J	½MS	Pep	80.40 ^{e,g}
H	PM	Pep	79.30 ^{e,h}
N	PM	CW+Pep	77.11 ^{e,i}
B	M	CW+Pep	76.74 ^{e,j}
F	½MS	CW+Pep	71.79 ^{f,k}
B	½MS	CW	67.56 ^{g,l}
F	KC	Pep	67.30 ^{h,m}
B	PM	CW	65.63 ^{i,n}
H	½MS	CW	64.58 ^{i,o}
J	PM	Pep	64.30 ^{i,o}
F	½MS	Without supplement	63.75 ^{i,o}
B	M	CW	62.56 ^{k,o}
N	PM	CW	60.50 ^{k,p}
J	M	CW	59.69 ^{k,p}
J	½MS	CW	58.40 ^{k,p}
N	½MS	CW	58.31 ^{k,p}
H	½MS	Without supplement	58.28 ^{k,p}
H	PM	Without supplement	57.691 ^{m,p}
B	PM	Without supplement	57.461 ^{m,p}
H	PM	CW+pep	54.281 ^{m,q}
N	PM	Without supplement	54.171 ^{m,q}
F	PM	Without supplement	53.57 ^{m,q}
F	M	CW	52.06 ^{m,q}
J	KC	Pep	51.67 ^{m,q}
F	½MS	CW	51.50 ^{q,q}
B	½MS	Without supplement	48.44 ^{p,r}
J	½MS	Without supplement	48.42 ^{p,r}
H	KC	Pep	48.37 ^{p,r}
F	PM	CW	48 ^{p,r}

Supplementary Table 1. Continued.

Hybrid	Treatment		Mean number of seed germination
	Medium	Supplement	
H	PM	CW	47.69 ^{p,t}
J	PM	CW	43.71 ^{r,s}
N	M	Without supplement	41.74 ^t
N	KC	Pep	36.22 ^u
B	KC	Pep	35.95 ^u
H	M	Without supplement	35.38 ^v
F	M	Without supplement	34.00 ^v
J	PM	CW+Pep	32.70 ^v
J	M	Without supplement	28.69 ^{t,w}
B	M	Without supplement	28.40 ^{u,w}
B	KC	Without supplement	28.20 ^{u,w}
N	KC	Without supplement	27.51 ^{u,w}
J	PM	Without supplement	26.02 ^{u,x}
N	½MS	Without supplement	22.18 ^{v,y}
F	KC	Without supplement	22.00 ^{v,y}
H	KC	Without supplement	18.71 ^{w,y}
B	PM	CW+pep	15.46 ^{w,z}
J	KC	Without supplement	13.32 ^{x,al}
F	PM	CW+pep	12.90 ^{y,al}
F	KC	CW+pep	3.21 ^{z,a}
B	KC	CW+pep	0.48 ^{al}
H	KC	CW+pep	0.33 ^{al}
N	KC	CW+pep	0.2 ^{al}
F	KC	CW	0 ^{al}
B	KC	CW	0 ^{al}
H	KC	CW	0 ^{al}
N	KC	CW	0 ^{al}
J	KC	CW	0 ^{al}
J	KC	CW+pep	0 ^{al}

Data in the same column followed by the same letters are not significantly different by Duncan's multiple range test at $P < 0.05$

Supplementary Table 2. Multiple comparisons of hybrids for seed germination using GLM model and Bonferoni post hoc test

(I) Hybrid	(J) Hybrid	Mean Difference (I-J)
F	B	-2.83379
	H	-6.13220*
	N	-2.57387
	J	2.58913
	F	2.83379
B	H	-3.29841
	N	.25992
	J	5.42292*
	F	6.13220*
H	B	3.29841
	N	3.55833
	J	8.72133*
	F	2.57387
N	B	-.25992
	H	-3.55833
	J	5.16300*
	F	-2.58913
J	B	-5.42292*
	H	-8.72133*
	N	-5.16300*

*The mean difference is significant at 0.05 level.

Supplementary Table 3. Multiple comparisons of media for seed germination using GLM model and Bonferoni post hoc test

(I) Medium	(J) Medium	Mean Difference (I-J)
1/2MS	KC	53.88613*
	M	2.88113
	PM	19.84435*
KC	1/2MS	-53.88613*
	M	-51.00500*
	PM	-34.04178*
M	1/2MS	-2.88113
	KC	51.00500*
	PM	16.96322*
PM	1/2MS	-19.84435*
	KC	34.04178*
	M	-16.96322*

*The mean difference is significant at 0.05 level.

Supplementary Table 4. Multiple comparisons of supplements for seed germination using GLM model and Bonferoni post hoc test

(I) supplement	(J) supplement	Mean Difference (I-J)
without	pep	-38.18092*
	CW	-5.34084*
	co+pep	-13.18546*
pep	without	38.18092*
	CW	32.84008*
	co+pep	24.99545*
CW	without	5.34084*
	pep	-32.84008*
	co+pep	-7.84463*
co+pep	without	13.18546*
	pep	-24.99545*
	CW	7.84463*

*The mean difference is significant at 0.05 level.