

Table 3 Effect of hormonal supplementation with MS medium for plantlet regeneration of cv. Khandagiri after 4 weeks of sub-culture

Hormone recipe (mg/l)	Organogenic response			Somatic embryogenic response		
	% response	No. of shoots/responsive callus	% survival	% response	No. of shoots/responsive callus	% survival
Basal media	51.5 ^b	2.5	32.3	55.0 ^c	3.0	30.1
BAP+NAA						
1.0+0.5	15.0 ^g	3.8	25.2	32.5 ^f	3.3	16.9
1.5+0.5	25.0 ^e	3.7	47.7	44.2 ^d	2.5	39.4
2.0+0.5	58.4 ^a	10.2	80.2	70.5 ^a	8.8	85.2
2.0+1.0	60.2 ^a	7.2	30.4	61.2 ^b	6.6	81.8
3.0+0.05	28.2 ^e	3.2	40.0	36.0 ^e	3.8	20.5
4.0+0.05	33.0 ^d	4.0	51.0	42.0 ^d	2.5	39.5
5.0+0.05	42.4 ^c	6.5	68.3	60.1 ^b	4.8	60.0
Kn+NAA						
1.0+0.5	28.8 ^e	3.2	22.9	37.0 ^e	2.8	10.0
1.5+0.5	19.2 ^f	2.8	19.5	16.0 ^g	2.5	12.2
2.0+0.5	14.8 ^g	2.6	17.6	8.8 ^h	1.8	11.4
2.0+1.0	48.2 ^b	3.6	24.2	52.0 ^c	3.8	46.0
BAP+Kn+NAA						
2.0+0.05+0.5	34.3 ^d	2.3	19.2	54.4 ^c	3.5	10.0
2.0+0.5+0.05	9.8 ^h	1.8	20.0	15.0 ^g	2.8	12.5
2.0+0.25+0.25	21.2 ^f	2.6	20.0	31.0 ^f	3.8	14.5

Note: Means followed by the same letter within columns were not significantly different at $p < 0.05$; *Values are mean \pm S.E