

Agrobacterium -mediated Rice Transformation Summary

Experiment Date: 2/13/2009
Construct: pTOK233 (LBA4404)
Oryza sativa **subspecies:** Japonica
Cultivar: Nipponbare
Days and T (°C) Agro preculture: 3 days at 19°
Infection duration: 2 min
Co-cultivation: 3 days at 25°

Student	# Calli infected	# Calli lost to Agro overgrowth	Agro overgrowth (%)	# Calli to selection	# Hygromycin resistant events	# GUS expressing, hyg resistant callus events	hyg transformation frequency (%)	gus expressing transformation frequency (%)
Alice	49	19	38.8	30	10	3	33.3%	10.0%
Annette	43	23	53.5	20	6	2	30.0%	10.0%
Ivan	44	28	63.6	16	7	6	43.8%	37.5%
Lindsey	44	0	0.0	44	8	6	18.2%	13.6%
Raechel	38	25	65.8	13	4	3	30.8%	23.1%
Sandra	26	16	61.5	10	4	3	40.0%	30.0%
Shu Hao	32	23	71.9	9	2	2	22.2%	22.2%
Tian	40	28	70.0	12	3	2	25.0%	16.7%
Yi Hsiang	33	0	0.0	33	5	5	15.2%	15.2%
Class Average	349	162	46.4	187	49	32	26.2%	17.1%

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**Only 3 of 10 putative events were gus assayed; gus tf % was likely higher