

Summary of Maize Transformation Experiments: GDCB 542D, 2007

		Biolistic				Agrobacterium		
operator	Ear #	Rupture disk (psi)	# embryo bombarded	# bar resistant events	% transf frequency	# embryo infected	# bar resistant events	% transf frequency
Micheline	1	650	23	2	9	22	0	0
		1100	24	0	0			
Angela	2	650	20	4	20	16	0	0
		1100	20	4	20			
Raye	5	650	20	1	5	24	0	0
		1100	32	1	3			
Saritha	6	650	47	3	6	22	0	0
		1100	22	0	0			
Xiaoyong	10	650	10	contam	n/a	7	0	0
		1100	15	contam	n/a			
Qiang	11	650	19	1	5	25	0	0
		1100	17	1	6			
Xing	13	650	24	4	17	18	1	6
		1100	24	2	8			
Anastasia ALB	14	650	29	4	14	24	0	0
		1100	26	3	12			
Wei	17	650	13	2	15	18	1	6
		1100	15	4	27			
Andrea	18	650	19	2	11	18	0	0
		1100	17	0	0			
Jose	19	650	19	2	11	19	1	6
		1100	20	5	25			
Yves	24	650	25	0	0	9	0	0
		1100	21	1	5			
Chad	7, 8	650	20	3	15	12	1	8
		1100	11	0	0			

Dissection date was 2/23/07

Agro infection date was 2/23/07

Gun bombardment date was 2/28/07

Genotype is Hi II F2 from greenhouse

7 days on resting media (E30 or Ccv) before selection

Gun construct was P13 (pAHC25). Agro construct was pTF102(EHA101)

Ave %TF Gun (by plate, n=24): 10%

Ave %TF Gun 650psi (n=12): 10%

Ave %TF Gun 1100psi (n=12): 9%

Ave %TF Agro (by plate, n=13): 2%