Pronuclear Injection Projects 2010/early 2011

Start date	Stop date	Dur. (wks.)	PI	Dept.	Construct	Strain	Pups born	Tg pups	% Tg
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1/28/10	5/19/10	18	Eckert	Biochem & Mol Biol	AGF	B6C3F ₁	34	6	18%
2/18/10	3/11/10	3	Mao	Dental School	3B4DG-2nd set	B6C3F ₁	13	4	31%
2/23/10	6/4/10	14	Eckert	Biochem & Mol Biol	BMi-repeat	B6C3F ₁	25	4	16%
2/26/10	5/3/10	10	Jain	Surgery	33V	CD16KO	9	4	44%
3/5/10	5/11/10	10	Jain	Surgery	33F	CD16KO	24	5	21%
3/8/10	3/27/10	3	Mao	Dental School	3B4G-2nd set	B6C3F ₁	10	6	60%
4/16/10	6/10/10	7	Sztalryd-Woodle	Medicine	mycLSPD5	B6C3F ₁	37	3	8%
4/22/10	8/4/10	12	Schuh	Neurology	pTme	C57BL/6	27	1	4%
7/22/10	1/10/11	23	Hu	Anesthesiology	NSF	C57BL/6	22	1	5%
7/28/10	2/2/11	25	Hu	Anesthesiology	E329Q	C57BL/6	22	0	0%
10/18/10	2/18/11	17	Zhu	JHU	IL-22	B6C3F ₁	31	3	10%
10/25/10	11/19/10	5	Sztalryd-Woodle	Medicine	mycLSPD5-repeat	B6C3F ₁	34	4	12%
12/23/10	1/13/11	3	Yang	Neurobiology	Ttr-Fgf2	B6C3F ₁	12	6	50%
1/14/11	2/28/11	10	Yang	Neurobiology	Nestin-Pgc-1 α	C57BL/6	9	4	44%
1/17/11	in progress	9	Yang	Neurobiology	Nestin-PGK1	C57BL/6	9	1	11%

The average time from first DNA injection to last litter born was 11 weeks

Fourteen of 15 projects (93%) generated at least one transgenic pup

Knockout Injection Projects 2010/early 2011

Start date	Stop date	Dur. (wks.)	PI	Dept.	Construct	Cell Line	Pups born	Chim pups	% Ch	
10/6/09	1/5/10	14	Shu	Pharmacy	SLC47	TIGM	4	2	50%	
11/19/09	2/8/10	n/a	Shu	Pharmacy	DDi2	BayGenomics	Disco	Discontinued, 0 pups		
9/17/10	12/9/10	12	Antalis	Physiology	PRSS21-G10	JM8A	10	1	3%	
12/7/10	12/25/10	3	Antalis	Physiology	PRSS21-A10	JM8A	4	1	25%	
			total 19 weeks						ave. 11%	
10/5/10	12/31/10	7	Lund	Physiology	SYNM1-AH9	VGB6	6	0	0%	
10/5/10	12/31/10	3	Lund	Physiology	SYNM1-AB5	VGB6	7	5	71%	
			total 13 weeks						ave. 38%	
11/23/10	2/18/10	6	Trisler	Neurology	untransfected	ROSA26lacZ- BMSCs	6	6	100%	

The average time from first ES cell injection to last litter born was 13 weeks

The average project generated 9 live born pups

The number of chimeric pups per project ranged from 0 to 6, average 37% chimerism

Four of 5 projects (80%) generated chimeric pups

The average project generated 21 pups live born pups

The average percentage of founders generated per project was 22%