

FROZEN SAMPLE DATA SHEET

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1	BRC_No 00302		Strain_name RKO-3				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	+/-	C57BL/6JJcl	66	128	52	HTF	HTF
2	BRC_No 00306		Strain_name TNF.K.O				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	-/-	C57BL/6JJcl	174	191	91	MβCD + HTF	HTF
frozen sperm	-/-	C57BL/6JJcl	78	91	86	HTF	HTF
3	BRC_No 00349		Strain_name B6D2-Tg(CAG-AR*97Q)2-6Sobu				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	Jcl:B6D2F1	131	344	38	HTF	HTF
4	BRC_No 00438		Strain_name B6.129P2-Map2k4<tm1Pngr>/Rbrc				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	+/-	C57BL/6JJcl	11	59	19	HTF	HTF
frozen sperm	+/-	C57BL/6JJcl	97	237	41	MβCD + HTF	HTF
5	BRC_No 00443		Strain_name DAN transgenic mice				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	Crj:B6D2F1	248	449	55	HTF	HTF
6	BRC_No 00770		Strain_name TgN(tw5BAC)4-1Imeg				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	C57BL/6JJcl	34	167	20	HTF	HTF

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7							
BRC_No 00771		Strain_name C57BL/6J-Tg(GOFGFP)11Imeg					
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	C57BL/6JJcl	354	661	54	HTF	HTF

8							
BRC_No 00784		Strain_name C57BL/6-Tg(GOFMBD)11Imeg					
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	C57BL/6JJcl	406	588	69	HTF	HTF

9							
BRC_No 00788		Strain_name C57BL/6-Tg(deltaMBD)11Imeg					
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	C57BL/6JJcl	87	164	53	HTF	HTF

10							
BRC_No 00821		Strain_name C57BL/6J-Tg(deGFP)18Imeg					
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	C57BL/6JJcl	23	140	16	HTF	HTF
frozen sperm	Tg/Tg	C57BL/6JJcl	3	45	7	HTF	HTF

11							
BRC_No 00886		Strain_name B6;B6C3-Tg(Acro3-EGFP)010sb					
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/Tg	C57BL/6JJcl	82	125	66	HTF	HTF

12							
BRC_No 00895		Strain_name AID-Tg line #B2					
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	C57BL/6NCrSlc	137	188	73	HTF	HTF

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13	BRC_No 00896		Strain_name AID-Tg line #C1						
Spermatozoa			No of oocytes			Media			
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	Tg/+	C57BL/6NCrSlc	192	323	59	HTF	HTF		
14	BRC_No 00998		Strain_name C57BL/6-TgN(muAqp0)4Tohm						
Spermatozoa			No of oocytes			Media			
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	Tg/?	C57BL/6NCrSlc	240	447	54	HTF	HTF		
15	BRC_No 01000		Strain_name Fyn Targeting mice						
Spermatozoa			No of oocytes			Media			
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	-/-	C57BL/6NCrCrlj	17	164	10	HTF	HTF		
16	BRC_No 01080		Strain_name B6.129S-Drd1a<tm1Mok>						
Spermatozoa			No of oocytes			Media			
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	-/-	C57BL/6JJcl	98	156	63	MβCD + HTF	GSH + HTF		
17	BRC_No 01099		Strain_name ERAI mice						
Spermatozoa			No of oocytes			Media			
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	Tg/+	C57BL/6JJcl	90	138	65	MβCD + HTF	GSH + HTF		
18	BRC_No 01142		Strain_name CAG-CAT-Notch1						
Spermatozoa			No of oocytes			Media			
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	Tg/+	Jcl:MCH	179	284	63	HTF	HTF		
frozen sperm	Tg/+	Jcl:MCH	111	149	74	MβCD + HTF	HTF		

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19	BRC_No 01143	Strain_name CAG-CAT-Delta1							
	Spermatozoa		No of oocytes			Media			
	Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination	
	frozen sperm	Tg/+	Jcl:MCH	52	168	31	MβCD + HTF	HTF	
20	BRC_No 01151	Strain_name hairy and enhancer of split-related 1							
	Spermatozoa		No of oocytes			Media			
	Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination	
	frozen sperm	-/-	C57BL/6NJcl	162	264	61	HTF	HTF	
21	BRC_No 01345	Strain_name Emx1-Cre KI Δneo							
	Spermatozoa		No of oocytes			Media			
	Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination	
	frozen sperm	KI/KI	C57BL/6JJcl	300	406	74	MβCD + HTF	GSH + HTF	
22	BRC_No 01351	Strain_name B6.129S-Grm2<tm1Nak>/NakRbrc							
	Spermatozoa		No of oocytes			Media			
	Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination	
	frozen sperm	-/-	C57BL/6NCrIcrIj	30	119	25	HTF	HTF	
	frozen sperm	-/-	C57BL/6NCrIcrIj	36	162	22	MβCD + HTF	HTF	
23	BRC_No 01372	Strain_name CAG-CAT-DII4#1							
	Spermatozoa		No of oocytes			Media			
	Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination	
	frozen sperm	Tg/+	Jcl:MCH	96	189	51	MβCD + HTF	HTF	
24	BRC_No 01413	Strain_name C.B6D2-Tg(CAG-GFP/LC3)53Nmz/Rbrc							
	Spermatozoa		No of oocytes			Media			
	Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination	
	frozen sperm	Tg/+	BALB/cAnNCrIcrIj	28	33	85	MβCD + HTF	GSH + HTF	
	frozen sperm	Tg/Tg	BALB/cAnNCrIcrIj	10	29	34	MβCD + HTF	GSH + HTF	

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25	BRC_No 01414		Strain_name C3.B6D2-Tg(CAG-GFP/LC3)53Nmz/Rbrc				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/Tg	C3H/HeNCrIcrIj	156	171	91	MβCD + HTF	GSH + HTF
26	BRC_No 01418		Strain_name C3.HR1-Hr<hr>/Rbrc				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	hr/hr	C3H/HeNCrIcrIj	206	213	97	MβCD + HTF	GSH + HTF
27	BRC_No 01578		Strain_name C57BL/6-PI3K KO				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	+/-	C57BL/6NCrIcrIj	55	174	32	HTF	HTF
28	BRC_No 01680		Strain_name PV384				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Gt/+	C57BL/6JJcl	116	127	91	MβCD + HTF	HTF
29	BRC_No 01726		Strain_name MFG-E8 Knockout mouse				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	-/-	C57BL/6NCrIcrIj	45	259	17	MβCD + HTF	HTF
30	BRC_No 01840		Strain_name GluRε4 KO mouse				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	+/-	C57BL/6NJcl	61	96	64	HTF	HTF
frozen sperm	+/-	C57BL/6NJcl	113	156	72	MβCD + HTF	HTF

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31		BRC_No 02096	Strain_name B6.Cg-Tg(CAG-floxed Neo-EGFP)REP08Osb						
		Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	Tg/+	C57BL/6NCrSlc	106	173	61	MβCD + HTF	GSH + HTF		

32		BRC_No 02306	Strain_name B6.Cg-Prkcbp1<tm1.1Jtak>						
		Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	+/-	C57BL/6JJcl	15	205	7	HTF	HTF		

33		BRC_No 02322	Strain_name B6.129P2-Cmah<tm1Ykoz>						
		Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
Frozen sperm	-/-	C57BL/6JJcl	67	81	83	MβCD + HTF	GSH + HTF		

34		BRC_No 02339	Strain_name B6.Cg-Tg(Tec-p210 BCR/ABL1)1Homy						
		Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	Tg/+	C57BL/6NCrCrIj	92	99	93	MβCD + HTF	GSH+ HTF		

35		BRC_No 02933	Strain_name C57BL/6-Tg(Olfr16-Olr226*D126R/R127D,-EYFP)1Hsak						
		Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	Tg/+	C57BL/6JCrIcrIj	22	269	8	HTF	HTF		

36		BRC_No 03949	Strain_name C57BL/6N-Tg(Ins1-cre/Esr1)25Utr/Rbrc						
		Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination		
frozen sperm	Tg/?	C57BL/6NCrIcrIj	88	177	50	MβCD + HTF	GSH + HTF		

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Spermatozoa		No of oocytes				Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	+/-	C57BL/6NCrIcrIj	71	198	36	MβCD + HTF	GSH + HTF

Spermatozoa		No of oocytes				Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	flox/+	C57BL/6NCrIcrIj	98	219	45	MβCD + HTF	GSH + HTF

Spermatozoa		No of oocytes				Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	+/-	C57BL/6NJcl	72	226	32	MβCD + HTF	GSH + HTF

Spermatozoa		No of oocytes				Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	-/-	C57BL/6JJmsSlc	31	459	7	MβCD + HTF	GSH + HTF

Spermatozoa		No of oocytes				Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	flox/+	C57BL/6JJmsSlc	190	236	81	MβCD + HTF	GSH + HTF

Spermatozoa		No of oocytes				Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	-/-	C57BL/6JJmsSlc	35	108	32	MβCD + HTF	GSH + HTF

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43	BRC_No 04945		Strain_name C.129S4(B6)-II5<tm1Ktk>				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	KI/KI	BALB/cCrSlc	38	43	88	MβCD + HTF	GSH + HTF

44	BRC_No 04948		Strain_name B6.B6CB(Cg)-Psmg1<tm1.1Smta>				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	flox/flox	C57BL/6JJmsSlc	112	130	86	MβCD + HTF	GSH + HTF

45	BRC_No 04949		Strain_name B6.B6CB(Cg)-Psmg14<tm1.1Smta>				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	flox/+	C57BL/6JJmsSlc	100	122	82	MβCD + HTF	GSH + HTF

46	BRC_No 05073		Strain_name B6;B6D2-Tg(CAG-flag-H2A)				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	C57BL/6JJmsSlc	31	117	26	MβCD + HTF	GSH + HTF

47	BRC_No 05118		Strain_name B6;B6CB-Tnf<tm1Sek>				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	-/-	C57BL/6JJmsSlc	88	138	64	MβCD + HTF	GSH + HTF

48	BRC_No 05233		Strain_name ICR;B6D2-Tg(ERE-Luc)4Tysn				
Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	Tg/+	Slc:ICR	101	105	96	MβCD + HTF	HTF

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49 BRC_No 05539 Strain_name B6.129-Gt(ROSA)26Sor<tm1(Stop-Bmi1,EGFP)>

Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	KI/KI	C57BL/6JJcl	51	56	91	MβCD + HTF	GSH + HTF

50 BRC_No 05564 Strain_name B6.Cg-Tg(Chx10-cre)G5Tfur

Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
Frozen sperm	Tg/+	C57BL/6NCrICrl	80	113	71	MβCD + HTF	GSH + HTF

51 BRC_No KIT0022 Strain_name KITOX-IDM33-AE

Spermatozoa			No of oocytes			Media	
Condition	Genotype	Strain of females	Fertilization	Tested	(%)	Sperm	Insemination
frozen sperm	M/+	C57BL/6JJcl	71	189	38	HTF	HTF