

Supplemental Table 1

Percent X Inactivation using the Androgen Receptor Assay (First Allele)								
Germ layer	Tissue	Subjects (age)						
		20 wk gestation	22 wk gestation	27 wk gestation	34 wk gestation	4 d	7 d	8 d
<i>Ectoderm</i>	brain (cerebrum)	59	24		28			42
	peripheral nerve							
	spinal cord		21					
	skin	81	28		39	69	82	31
	breast							
<i>Mesoderm</i>	blood	63				35		30
	adrenal	87	22		15		44	
	spleen	83	28			40	80	34
	skeletal muscle	71						47
	diaphragm			61	17			
	psoas muscle		27	57	19	55	70	
	tongue		21	54	27			
	vertebrae			81	29			
	rib		31	81	19			
	cartilage					53		
	adipose	71						37
	kidney	76	21			60	61	50
	uterus					63	72	46
	ovary	84		76			56	
	heart	67	38			56	75	33
aorta					65	58		
<i>Endoderm</i>	thymus	60	31				74	
	thyroid							
	lung	80	31		36		73	49
	urinary bladder					57	62	36
	vagina					58		
	liver	64	25	65		59	73	49
	pancreas	70	28				48	37
	stomach	77	26	60			82	
	esophagus			76	26			
	small intestine		30	63	16	58		
	large intestine	69		76			65	
	gall bladder							
appendix								

Supplemental Table 1 (continued)

Percent X Inactivation using the Androgen Receptor Assay (First Allele)											
Germ layer	Tissue	Subjects (age)									
		5 wk	2y	5y	6y	8y	15y	17y	18y	19y	25y
<i>Ectoderm</i>	brain (cerebrum)	68	26	59		50	52	56	47	22	37
	peripheral nerve						57		65		
	spinal cord										
	skin	57	25	64	49		55		70		
	breast										
<i>Mesoderm</i>	blood	46			29						
	adrenal		43		31				58		
	spleen	46	30	34	25		62	51	64	16	42
	skeletal muscle	47			29						
	diaphragm										
	psoas muscle		18	58		75	58		58	27	
	tongue						55		78		
	vertebrae										
	rib										
	cartilage										
	adipose		24	55	31				70	19	
	kidney	66	7	56	35	75	84		76	50	
	uterus	65	22					68	58		
	ovary	45			21	80					21
	heart	45		46	41		56	65	66		32
aorta									45		
<i>Endoderm</i>	thymus	54			29			43	79		
	thyroid										
	lung	31	20				55		80	39	
	urinary bladder										
	vagina										
	liver	36	40	73	50	88		61		23	43
	pancreas	44	10		12						
	stomach	45			42					39	
	esophagus		26								
	small intestine							62			
	large intestine	48			35	68	46		62		
	gall bladder					63					
	appendix				35						

Supplemental Table 1 (continued)

Percent X Inactivation using the Androgen Receptor Assay (First Allele)										
Germ layer	Tissue	Subjects (age)								
		29y	33y	36y	42y	47y	53y	61y	79y	82y
<i>Ectoderm</i>	brain (cerebrum)	54	44	61	48		28	41		
	peripheral nerve	51								
	spinal cord									
	skin		55					34		54
	breast	33		62						38
<i>Mesoderm</i>	blood							14		35
	adrenal	51	47			69				52
	spleen	50	42	55	38	43	76	18		48
	skeletal muscle							52		
	diaphragm									67
	psoas muscle	64		58		63	36		83	
	tongue									
	vertebrae									
	rib									
	cartilage									
	adipose			73						
	kidney	39		51	30	51	22	34	80	65
	uterus	53		46						
	ovary	57	50		54	59		75		
	heart		42	62	39	72	40	28	57	30
aorta										
<i>Endoderm</i>	thymus									
	thyroid					51				
	lung	61			61		56	22	68	
	urinary bladder									70
	vagina									
	liver	21	48	55	28	65	32	18	85	63
	pancreas			40	52	51	50			67
	stomach									65
	esophagus	83								
	small intestine									
	large intestine		40							
	gall bladder									
appendix										