

Supplementary Table S1: Allele-Specific Read Counts for Genes Assayed by RNA FISH					
Gene ID	TSC Line	Total 129 reads	Total JF1 reads	% Paternal-Xexpression (total reads)	% Paternal-Xexpression (Averaged across individual SNPs)
<i>Atrx</i>	<i>Eed</i> ^{+/+} 1	5228	3	0.1%	0.1%
	<i>Eed</i> ^{+/+} 2	6338	2	0.0%	0.0%
	<i>Eed</i> ^{+/+} 3	6005	466	7.2%	7.2%
	<i>Eed</i> ^{fl/fl}	5370	385	6.7%	7.0%
	<i>Eed</i> ^{-/-} 1	2710	187	6.5%	6.6%
	<i>Eed</i> ^{-/-} 2	766	53	6.5%	6.8%
	<i>Eed</i> ^{-/-} 3	1147	84	6.8%	7.3%
<i>Rnf12</i>	<i>Eed</i> ^{+/+} 1	8169	20	0.2%	0.2%
	<i>Eed</i> ^{+/+} 2	12193	30	0.2%	0.3%
	<i>Eed</i> ^{+/+} 3	11478	653	5.4%	5.4%
	<i>Eed</i> ^{fl/fl}	6640	49	0.7%	0.7%
	<i>Eed</i> ^{-/-} 1	6528	187	2.8%	2.8%
	<i>Eed</i> ^{-/-} 2	5540	182	3.2%	3.2%
	<i>Eed</i> ^{-/-} 3	3965	188	4.5%	4.6%
<i>Pdha1</i>	<i>Eed</i> ^{+/+} 1	3369	5	0.1%	0.2%
	<i>Eed</i> ^{+/+} 2	2725	4	0.1%	0.1%
	<i>Eed</i> ^{+/+} 3	2492	317	11.3%	11.5%
	<i>Eed</i> ^{fl/fl}	1542	31	2.0%	2.1%
	<i>Eed</i> ^{-/-} 1	2852	10	0.3%	0.3%
	<i>Eed</i> ^{-/-} 2	1988	8	0.4%	0.3%
	<i>Eed</i> ^{-/-} 3	1574	16	1.0%	1.0%
<i>Pgk1</i>	<i>Eed</i> ^{+/+} 1	2794	9	0.3%	0.3%
	<i>Eed</i> ^{+/+} 2	6816	13	0.2%	0.1%
	<i>Eed</i> ^{+/+} 3	2380	274	10.3%	10.7%
	<i>Eed</i> ^{fl/fl}	3018	91	2.9%	2.8%
	<i>Eed</i> ^{-/-} 1	1007	1107	52.4%	49.7%
	<i>Eed</i> ^{-/-} 2	1053	1297	55.2%	54.8%
	<i>Eed</i> ^{-/-} 3	2403	2640	52.3%	51.8%