Table 4, supplement. X-linked genes showing depletion of macroH2A1 in mouse liver[1]

Start	Stop	Gene Symbol	Length	MacroH2A counts (Raw)	macroH2A (RPKM)[2]	Starting material counts (Raw)	Starting material (RPKM)	Relative macroH2A content	stepup (p-value (MacroH2A vs SM))	Comments
99696294	99709144	2010000I03Rik	12851	8	0.049928	58	0.36221	-7.25462	1.70E-10	a.k.a. Jpx
143560897	143767814	Ott	206918	1	0.000388	6	0.002327	-6.00382	0.0651274	
147573945	147615070	Kdm5c	41126	38	0.074107	223	0.435169	-5.87216	1.28E-32	* a.k.a. Jarid1c
48986958	48987040	Mir18b	83	1	0.966307	4	3.86769	-4.00255	0.209488	
90441427	90465370	Eif2s3x	23944	33	0.110538	115	0.385452	-3.48707	1.16E-11	*
99763628	99826473	B230206F22Rik	62846	92	0.11741	310	0.395871	-3.37171	3.11E-28	a.k.a. Ftx
101243572	101272843	5530601H04Rik	29272	58	0.158916	161	0.441411	-2.77763	3.66E-12	*
57152030	57154095	Sox3	2066	3	0.116462	7	0.271918	-2.33482	0.249185	
99663091	99685952	Xist	22862	55	0.192949	100	0.351039	-1.81934	0.000480914	*
130555050	130557051	Tceal6	2002	5	0.200308	9	0.360785	-1.80115	0.338132	
132273688	132274737	1700014N06Rik	1050	4	0.305537	7	0.53503	-1.75111	0.424432	
101282493	101287905	2610029G23Rik	5413	11	0.162985	19	0.281699	-1.72837	0.182629	*
122280056	122283460	4932411N23Rik	3405	12	0.282655	19	0.447823	-1.58434	0.257237	
90977287	90982910	Zxdb	5624	9	0.128348	14	0.19978	-1.55655	0.353179	
12437980	12450942	Ddx3x	12963	20	0.123742	31	0.191922	-1.55099	0.15883	* a.k.a. Ddx
101323114	101326630	Magee1	3517	17	0.387677	23	0.524838	-1.3538	0.40174	
17319625	17436317	Kdm6a	116693	225	0.154643	287	0.197382	-1.27637	0.00934463	* a.k.a. Utx
118511503	118514329	Nap1l3	2827	13	0.368817	15	0.425829	-1.15458	0.765849	
8728918	8729350	Gm5132	433	5	0.926137	5	0.926727	-1.00064	1	
152910223	152913090	Yy2	2868	15	0.419474	14	0.391759	1.07075	0.907376	
15679839	15680555	Cypt7/Cypt8	717	14	1.56604	13	1.4551	1.07624	0.902206	
122507566	122531581	Gm382	24016	61	0.203715	56	0.187136	1.08859	0.711415	
148376881	148378279	Mageh1	1399	12	0.68795	11	0.631022	1.09021	0.890097	
120244282	120252854	Vmn2r121	8573	31	0.290016	28	0.262117	1.10644	0.76052	
105399474	105403164	Gm6377	3691	14	0.304213	12	0.26092	1.16592	0.758552	
150289178	150290285	Magea3	1108	7	0.506701	6	0.434591	1.16592	0.839567	
69486795	69495850	Xlr4c	9056	13	0.115133	11	0.097482	1.18107	0.746778	
74990481	74992129	Fam47a	1649	16	0.778202	13	0.632692	1.22999	0.643044	

[1]MacroH2A1 content was analyzed using Partek Genomic Suite using build 36 of the mouse genomic database. Duplicate gene entries were removed.

* Genes that escape X inactivation in Patski cells ([1] and present study).

1. Yang, F., T. Babak, J. Shendure, and C.M. Disteche, *Global survey of escape from X inactivation by RNA-sequencing in mouse.* Genome Res. **20**(5): p. 614-22.