

Table 2, supplement. Relative macroH2A1 content of liver active genes in mouse liver.<sup>1</sup>

Gene Symbol	Length	MacroH2A1 counts (Raw)	MacroH2A1 (RPKM)	Starting material counts (Raw)	Starting Material (RPKM)	macroH2A1 content (macroH2A vs SM)	stepup (p-value (MacroH2A vs SM))
Serpina1d	10048	10	0.07982	10	0.079871	-1.00064	1
Fga	7466	5	0.053712	23	0.247235	-4.60293	0.000700769
Fgb	7487	8	0.085699	26	0.278699	-3.25207	0.00255774
Fgg	7155	8	0.089675	36	0.403796	-4.50286	2.24E-05
Arg1	12265	22	0.143863	49	0.320626	-2.22869	0.00196891
Alb	15716	27	0.137789	47	0.240008	-1.74185	0.0283344
F12	8838	45	0.408368	36	0.326902	1.2492	0.376554
F11	20863	31	0.119173	77	0.296199	-2.48545	1.37E-05
Asl	12830	15	0.093769	59	0.369058	-3.93584	2.78E-07
F2	11096	32	0.231301	52	0.376103	-1.62603	0.0406885
F7	9776	36	0.295348	47	0.385839	-1.30639	0.279955
Trf	21412	31	0.116117	92	0.344826	-2.96963	4.39E-08
F10	18910	29	0.122998	97	0.411671	-3.34696	1.26E-09
Got1	24854	25	0.080675	98	0.316446	-3.9225	2.84E-11
Serpinc1	24408	34	0.111722	109	0.358397	-3.20792	3.33E-10
Pygl	36870	50	0.108765	146	0.317797	-2.92186	7.01E-12
Cp	50557	58	0.092011	197	0.312719	-3.39871	1.44E-18
Gys2	50498	73	0.115942	203	0.32262	-2.78259	4.82E-15
Ass1	50402	100	0.159128	224	0.356673	-2.24143	8.55E-12
F5	68417	219	0.256728	344	0.403519	-1.57178	2.69E-07

<sup>1</sup>Values were calculated using Partek Genomics Suite software.