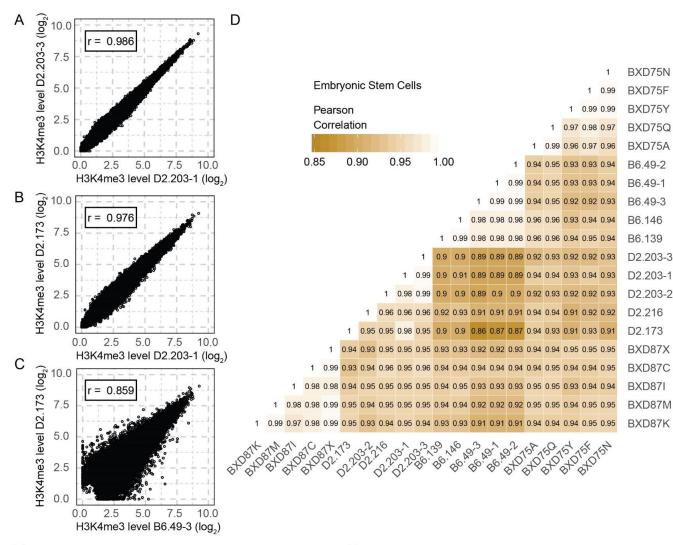
	(	Card	liomy	уосу	tes						1	BXD87-	3			H	Нера	atocy
Pearson Correlation								1				BXD87-	2				Pears	son elatio
									1	0.98	0.99	BXD87-	1					
0.85 0.90 0.95 1.00								1	0.97	0.98	0.97	BXD75-	3				0.9	94 0.
							1	0.98	0.99	0.98	0.98	BXD75-	2					
						1	0.92	0.94	0.89	0.94	0.87	BXD75-	1					
					1	0.96	0.9	0.93	0.87	0.92	0.86	DBA-3						
				1	0.98	0.96	0.9	0.94	0.88	0.91	0.86	DBA-2						1
			1	0.98	0.97	0.95	0.94	0.96	0.91	0.94	0.9	DBA-1					1	0.979
		1	0.93	0.9	0.9	0.92	0.98	0.98	0.98	0.98	0.98	B6-3				1	0.974	0.964
	1	0.95	0.97	0.97	0.96	0.97	0.93	0.97	0.92	0.95	0.91	B6-2			1	0.998	0.972	0.965
1	0.97	0.99	0.95	0.93	0.93	0.95	0.97	0.98	0.97	0.98	0.96	B6-1		1	0.983	0.982	0.955	0.973
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	Нера	1	DBA-2							
	Pears		1	0.994	DBA-1					
		Jiatio	0.984	0.987	DBA-3					
	0.9	94 0.	0.95	0.954	B6-3					
			0.958	B6-2						
			0.953	B6-1						
			0.944	0.946	BXD75-2					
		1	0.989	0.958	0.96	0.96	0.96	0.953	0.956	BXD75-1
	1	0.979	0.977	0.933	0.939	0.939	0.935	0.928	0.933	BXD75-3
1	0.974	0.964	0.962	0.937	0.941	0.941	0.94	0.932	0.938	BXD87-3
0.99	8 <mark>0.97</mark> 2	0.965	0.962	0.941	0.945	0.944	0.943	0.937	0.941	BXD87-2
33 0.98	2 0.955	0.973	0.967	0.961	0.962	0.962	0.966	0.959	0.962	BXD87-1
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**Figure S3.** *Pearson Correlations for all hepatocytes, cardiomyocytes, and ESCs.* (A) Example of technical replicate H3K4me3 ChIP-seq for two independent cultures of the same D2 ESC line. (B) Example of biological replicates for H3K4me3 ChIP-seq for two ESC lines derived from independent blastocysts. (C) Scatterplot comparing H3K4me3 ChIP-seq between on B6 and one D2 ESC line. (D) Correlation matrix of all H3K4me3 ChIP-seq libraries for mouse ESCs. Cell lines and strains clustered by correlation dissimilarity. Parental strains have three technical replicates of the same cell line and three biological replicates of ESCs from independently derived blastocysts. The two BXD lines are represented by five biological replicates each. (E) Similar to *D* except showing Pearson correlations matrix for cardiomyocytes. Each biological replicate represents cells isolated from three individual mice. (D) Similar to *E* except showing correlation matrix for biological replicates of hepatocytes – each biological replicate represents cells isolated from three individual mice.