

Table S6: Effect of TGFb1 on expression of chromatin-modifying enzymes in ADSCs

Gene Group ¹		NONE				+TGFb1			
		DSLDD-Paso ²		NA-Paso ²		DSLDD-Paso ²		NA-Paso ²	
DHD	<i>KDM1A</i>	30.23	(7.60) ³	33.85	(8.13)	14.96	(0.87)	24.64	(14.71)
DM	<i>DNMT1</i>	5.28	(1.65)	8.05	(2.64)	4.05	(2.96)	6.93	(5.99)
	<i>DNMT3B</i>	1.38	(0.78)	1.46	(0.61)	0.27	(0.03)	0.42	(0.39)
HA	<i>ATF2</i>	18.66	(3.90)	22.95	(4.95)	12.16	(5.98)	12.57	(6.75)
	<i>CSRP2BP</i>	2.70	(0.67)	3.05	(0.75)	1.31	(0.19)	2.35	(1.19)
	<i>ESCO1</i>	1.68	(0.78)	1.61	(0.70)	0.56	(0.13)	0.60	(0.42)
	<i>HAT1</i>	28.86	(6.46)	24.37	(3.87)	36.02	(3.96)	24.18	(12.26)
	<i>KAT2A</i>	4.98	(1.50)	5.78	(1.75)	2.67	(0.45)	3.74	(2.24)
	<i>KAT2B</i>	28.03	(5.15)	25.33	(6.67)	5.28	(2.33)	4.80	(2.82)
	<i>KAT7</i>	13.23	(4.24)	14.47	(3.05)	5.71	(0.79)	11.40	(6.58)
HD	<i>HDAC1</i>	33.98	(7.47)	39.27	(10.60)	18.64	(0.87)	23.72	(12.61)
	<i>HDAC11</i>	1.02	(0.56)	0.62	(0.32)	0.05	(0.02)	0.14	(0.12)
	<i>HDAC2</i>	30.94	(9.16)	28.77	97.40)	20.40	(4.43)	24.17	(11.91)
	<i>HDAC3</i>	19.05	(6.38)	19.24	(5.05)	6.32	(1.16)	9.35	(5.33)
	<i>HDAC6</i>	21.21	(8.39)	19.77	(3.09)	3.94	(0.62)	8.30	(3.43)
HM	<i>AURKA</i>	6.85	(1.20)	13.80	(3.04)	7.23	(3.79)	15.44	(15.43)
	<i>AURKB</i>	3.95	(0.95)	8.04	(2.78)	4.80	(6.30)	8.56	(6.69)
	<i>CARM1</i>	26.01	(6.23)	31.30	(8.32)	14.62	(4.52)	18.93	(11.16)
	<i>PRMT1</i>	49.24	(12.12)	73.03	(12.69)	57.58	(13.09)	79.96	(50.66)
	<i>PRMT3</i>	14.33	(2.76)	13.36	(2.60)	12.91	(1.81)	11.48	(5.66)
	<i>PRMT5</i>	13.54	(5.32)	15.96	(1.07)	14.68	(12.18)	16.89	(7.15)
	<i>PRMT6</i>	3.92	(1.25)	4.54	(1.16)	2.77	(1.25)	3.44	(1.78)
	<i>PRMT7</i>	9.76	(2.11)	9.54	(2.13)	4.61	(0.60)	6.88	(3.25)
<i>SUV39H1</i>	3.46	(1.20)	5.40	(0.90)	6.49	(2.93)	9.35	(4.51)	
HP	<i>DZIP3</i>	15.67	(6.04)	13.25	(3.27)	3.67	(2.19)	5.33	(2.35)
	<i>NEK6</i>	23.74	(5.68)	21.20	(4.49)	17.34	(2.66)	24.76	(16.02)
	<i>PAK1</i>	56.19	(10.09)	53.22	(19.76)	39.73	(15.02)	30.98	(14.81)
	<i>RNF20</i>	11.05	(3.48)	9.58	(3.06)	0.22	(0.07)	0.29	(0.16)
HU	<i>SETD1A</i>	7.71	(2.79)	10.83	(3.04)	1.54	(0.83)	3.53	(2.75)
	<i>SETD8</i>	19.47	(4.34)	18.80	(2.82)	2.40	(0.50)	4.51	(2.40)
	<i>USP16</i>	0.44	(0.20)	0.41	90.10)	25.47	(4.19)	46.75	(28.13)
	<i>USP22</i>	85.68	(27.15)	82.78	(18.55)	3.36	(1.17)	7.10	(5.02)
	<i>WHSC1</i>	5.30	(1.67)	7.29	(1.09)	5.30	(1.67)	7.10	(5.02)

¹ Gene groups as described in Table S-3. ²Values represent the mean of duplicate cultures from DSLDD-Pasos (n= 6) and NA Paso Horses n= 6 (see Table 1 for animal details). ³SD values are in parentheses