

Table S5 Expression of chromatin-modifying enzymes in ligaments

Gene Group ¹		Abundance ²			
		DSL D Paso		NAPaso	
DHD	<i>KDM1A</i>	42.63	(20.43) ²	35.25	(4.93) ²
DM	<i>DNMT1</i>	5.46	(3.46)	5.87	(1.92)
	<i>DNMT3B</i>	1.44	(0.84)	0.9	(0.15)
HA	<i>ATF2</i>	43.28	(15.69)	28.8	(9.53)
	<i>CSRP2BP</i>	3.98	(2.02)	4.84	(2.49)
	<i>ESCO2</i>	10.78	(3.94)	7.99	(2.89)
	<i>HAT1</i>	26.46	(12.42)	28.31	(4.43)
	<i>KAT2A</i>	14.04	(7.59)	10.08	(2.76)
	<i>KAT2B</i>	95.02	(29.70)	70.75	(11.19)
	<i>KAT7</i>	28.18	(9.18)	21.7	(6.67)
HD	<i>HDAC1</i>	45.90	(15.28)	47.47	(34.21)
	<i>HDAC11</i>	5.83	(3.18)	5.71	(0.58)
	<i>HDAC2</i>	50.67	(27.94)	37.9	(13.76)
	<i>HDAC3</i>	15.31	(4.59)	12.89	(3.72)
	<i>HDAC6</i>	8.54	(2.30)	8.99	(2.77)
HM	<i>AURKA</i>	4.86	(1.52)	3.74	(0.23)
	<i>AURKB</i>	0.19	(0.18)	0.12	(0.08)
	<i>CARM1</i>	18.81	(6.55)	19.6	(3.78)
	<i>PRMT1</i>	46.38	(22.24)	53.54	(5.76)
	<i>PRMT3</i>	13.93	(5.02)	15.46	(2.33)
	<i>PRMT5</i>	31.70	(9.81)	29.81	(2.35)
	<i>PRMT6</i>	6.93	(2.35)	5.84	(1.65)
	<i>PRMT7</i>	8.19	(4.45)	5.59	(1.27)
<i>SUV39H1</i>	3.31	(1.39)	4.7	(1.58)	
HP	<i>DZIP3</i>	26.69	(11.92)	16.53	(2.96)
	<i>NEK6</i>	14.62	(5.10)	17.37	(8.04)
	<i>PAK1</i>	13.55	(6.34)	12.57	(2.61)
	<i>RNF20</i>	30.48	(10.37)	20.63	(4.57)
HU	<i>SETD1A</i>	9.52	(4.02)	8.91	(3.75)
	<i>SETD8</i>	19.52	(6.82)	13.49	(0.79)
	<i>USP16</i>	1.57	(0.53)	0.68	(0.29)
	<i>USP22</i>	86.15	(40.2)	80.77	(6.11)
	<i>WHSC1</i>	4.91	(1.91)	3.63	(0.98)

¹ Gene groupings as defined in Table S3. ²Mean abundance data (standard deviation) for NA-Pasos (n=9) and DSLD-Pasos (n=9) is provided (see Table S1 for animal details).