

Table 2. Enrichment in ACE elements in differentially spliced exons in *Mecp2*^{308/Y} mice.

Candidate gene	Accession No.	Ensemble No.	Exon	ACEs	Size, bp	ACEs, per bp	ACEs, per bp X 100
<i>Slc17a3</i>	NM_134069	ENSMUST00000039721	1	1	37	0.027	2.703
			2	5	124	0.040	4.032
			3	5	212	0.024	2.358
<i>Fgf5</i>	NM_010203	ENSMUST00000031280	1	1	577	0.002	0.173
			2	3	104	0.029	2.885
			3	2	540	0.004	0.370
<i>Itga6</i>	NM_008397	ENSMUST00000028522	24	1	126	0.008	0.794
			25	2	130	0.015	1.538
			26	12	540	0.022	2.222
<i>Gpr160</i>	XM_130823	ENSMUST00000046748	2	8	327	0.024	2.446
			3	3	100	0.030	3.000
			4	6	476	0.013	1.261
<i>Tde1</i>	BE334506	ENSMUST00000017851	1	0	134	0.000	0.000
			2	2	162	0.012	1.235
			3	2	194	0.010	1.031
<i>Erp29</i>	BI688273	ENSMUST00000052590	1	5	284	0.018	1.761
			2	3	139	0.022	2.158
			3	3	480	0.006	0.625
<i>1110061O04Rik</i>	NM_026849	ENSMUST00000032403	17	5	180	0.028	2.778
			18	4	156	0.026	2.564
			19	13	600	0.022	2.167
<i>9130022A01Rik</i>	BC061228	ENSMUST00000053419	1	2	105	0.019	1.905
			2	2	84	0.024	2.381
			3	5	514	0.010	0.973
<i>Runx2</i>	NM_009820	ENSMUST00000077846	5	2	105	0.019	1.905
			6	3	174	0.017	1.724
			7	4	162	0.025	2.469
<i>Hsd17b12</i>	NM_019657	ENSMUST00000028619	2	0	51	0.000	0.000
			3	1	72	0.014	1.389
			4	2	108	0.019	1.852

Canonical AC-rich element (ACE, derived from ref.1) were identified and their number compared in differentially spliced versus their surrounding exons. Alternative Exons are in Bold. Canonical sequence: CACCAGUCAACCGC.

Derived search sequence: Y=A or C, X=G or T in a YYYYYYYY or YYYYYYXXY string.

Similar AC elements found in ref.2.

1. Stickeler, E., Fraser, S.D., Honig, A., Chen, A.L., Bergert, S.M. & Cooper, T.A. (2001) *EMBO J.* **20**, 3821-30

2. Chandler, D.S., Qi, J. & Mattox, W. (2003) *Mol.Cell.Biol.* **23**, 5174-5181.