

S1 Table. Phenotype comparison of CBP and Mecp2 mutant mouse models.

	CBP^{ΔCH1/ΔCH1}	CBP^{+/-}	CBP Trunc	CBPKIX	CBPcKO	CBPΔ1	Mecp2^{-Y}	Mecp2^{308Y}	Mecp2-e1^{-Y}
Mutations	Deletion in CH1 domain in CBP	Deletion from exon 2 ^a	Truncation at amino acid 1084 ^b	Triple point mutations in CBP KIX domain ^c	Deletion of CBP in forebrain ^d	O/E truncated CBP in forebrain ^h	Deletion of exon 3 or exon 3 & 4 ^e	Truncation at amino acid 308 ^f	Mutation in exon 1 (e1 form deletion) ^g
Stereotypies	Forepaw rubbing; Self grooming	N.R.	N.R.	N.O.P.	N.R.	N.R.	Self grooming	Forepaw rubbing; Self grooming	Forepaw rubbing; Self grooming
Spasticity	N.O.P.	N.R.	N.R.	N.O.P.	N.R.	N.R.	Hindlimb claspings	Hindlimb claspings	Hindlimb claspings
Social behavior abnormalities	Yes	N.R.	N.R.	N.R.	N.R.	N.R.	Yes	Yes	Yes
Motor dysfunction	Yes	Yes	N.R.	Yes	No	No	Yes	Yes	Yes
Locomotor activity	Hyperactivity	Normal	Hypoactivity	Normal	Normal	Normal	Hypoactivity	Hypoactivity	Normal
Anxiety	Decreased	Normal	Normal	Normal	Normal	Normal	Decreased	Increased	Decreased
Learning and memory deficits	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N.R.
LTP	Enhanced	Reduced	Reduced	Reduced	N.R.	Reduced	Reduced	Reduced	N.R.

- ^a Tanaka et al., 1997, Alarcon et al., 2004
- ^b Oike et al., 1999
- ^c Wood et al., 2006
- ^d Valor et al., 2011
- ^e Wood et al., 2005
- ^f Chen et al., 2001, Guy et al., 2001
- ^g Shahbazian et al., 2002, Moretti et al., 2006
- ^h Yasui et al., 2014

Supplemental Reference:

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