

Title: Behavioral impairments in a mouse model of Kabuki syndrome associated with dopaminergic and neuroinflammatory modulations

Supplementary Table 1. Normality tests. Normality tests values using Shapiro-Wilk (W) test or Kolmogorov-Smirnov (KS) test for light-dark test, spontaneous self-grooming behavior, splash test, tyrosine hydroxylase (TH), astrocyte glial fibrillary acidic protein (GFAP), and ionized calcium-binding adaptor molecule 1 (Iba1) expressions in the striatum of adult BALB/c and BALB/c^{bapa} (*bapa*) mice (n=6-7 mice per group)

Parameter / Group	Passed normality test?	BALB	<i>bapa</i>
Light-dark test			
dark side entry latency	yes	KS=0.1995, $p>0.1000$	KS=0.2100, $p>0.1000$
dark side time	yes	W=0.8203, $p=0.0646$	W=0.8239, $p=0.0700$
light side time	yes	W=0.8132, $p=0.0552$	W=0.8290, $p=0.0783$
total rearing frequency	yes	KS=0.2785, $p>0.1000$	KS=0.1897, $p>0.1000$
Spontaneous self-grooming behavior			
head washing time	yes	W=0.8650, $p=0.1676$	W=0.8143, $p=0.0566$
body grooming time	yes	W=0.9628, $p=0.8427$	W=0.9404, $p=0.6422$
paw/leg licking time	yes	W=0.9074, $p=0.3784$	W=0.8984, $p=0.3215$
tail/genital grooming time	yes	W=0.9416, $p=0.6529$	W=0.8779, $p=0.2173$
Splash test			
head washing time	yes	W=0.8847, $p=0.2480$	W=0.9749, $p=0.9315$
body grooming time	yes	W=0.8400, $p=0.0993$	W=0.9182, $p=0.4552$
paw/leg licking time	yes	W=0.8446, $p=0.1096$	W=0.8299, $p=0.0799$
tail/genital grooming time	no	W=0.6289, $p=0.0006^{***}$	W=0.6477, $p=0.0010^{***}$
Striatal TH expression	yes	KS=0.2392, $p>0.1000$	KS=0.2544, $p>0.1000$
Striatal GFAP expression	yes	KS=0.2246, $p>0.1000$	KS=0.1875, $p>0.1000$
Striatal Iba1 expression	yes	KS=0.2383, $p>0.1000$	KS=0.2260, $p>0.1000$

* $p<0.05$; ** $p<0.01$; and *** $p<0.001$