Figure 1-Individual Data Values

b	qRT-PCR - Adult brains		
	accord		
	w^{1118}	$tbph^{\Delta23/\Delta23};elav>GFP$	$tbph^{\Delta23/\Delta23};elav>TBPH$
exp1	1.00	4.13	1.10
exp2	1.00	3.85	0.95
exp3	1.00	4.05	1.05
average	1.00	4.01	1.03

	gypsy		
	w^{1118}	$tbph^{\Delta23/\Delta23};elav>GFP$	$tbph^{\Delta23/\Delta23};elav>TBPH$
exp1	1.00	2.80	0.86
exp2	1.00	1.65	1.82
exp3	1.00	2.10	0.90
average	1.00	2.18	1.19

normalized values

c	WB - Adult brains			
	anti-ENV			
	lane 1	lane 2	lane 3	lane 4
exp1	21	100	162	61
exp2	26	100	166	49
average	23.5	100	164	55

normalized values

Figure 3-Individual Data Values

a	RNA silencing machinery is impaired in TBPH mutants			
	lane 1	lane 2	lane 3	lane 4
exp1	100	44	99	87
exp2	100	26	93	45
mean	100	35	96	66
normalized values				

b	Dcr-2 levels in TBPH mutant	
	w^{1118}	$tbph^{\Delta23/\Delta23}$
exp1	100	44
exp2	100	79
exp3	100	48
mean	100	57
normalized values		

c	Dcr-2 is reduced in TBPH mutant	
	w^{1118}	$tbph^{\Delta23/\Delta23}$
exp1	100	57
exp2	100	64
exp3	100	64
exp4	100	52
mean	100	59
normalized values		

d	SH-SY5Y (human neuroblastoma)	
Dicer	lane 1	lane 2
exp1	100	80
exp2	100	47
exp3	100	48
mean	100	58
TDP-43	lane 1	lane 2
exp1	100	32
exp2	100	54
exp3	100	12
mean	100	33
normalized values		

e	Co-IP - Adult heads	
	Protein-mRNA	
dicer-2	Elav>TBPH	Elav>TBPH-RBD[mut]
exp1	4.6	1
exp2	3	1
mean	3.8	1
syntaxin	Elav>TBPH	Elav>TBPH-RBD[mut]
exp1	8.1	1
exp2	2.7	1
mean	5.4	1
rpl11	Elav>TBPH	Elav>TBPH-RBD[mut]
exp1	1.4	1
exp2	1.5	1
mean	1.45	1
normalized values		