



Supplementary Fig. 1. Western blot analysis of total cerebellum protein extracts using an anti-calbindin1 antibody in P15 WT and PT-treated mutant mice. Tubulin was used as a loading control. Lower panel: densitometric quantification of the bands. ML, molecular layer; IGL, internal granular layer.



Movie 1. Untreated FVB/NJ-Ugt1^{-/-} at P12 showing features of bilirubin encephalopathy such as lethargy, dystonia and seizures.

Genetic Background	Post natal day	Ugt1 allele	
		WT	MUT
C57Bl/6	P2	0.2 ± 0.1 (8)	11.8 ± 2.2 (6)
	P5	0.2 ± 0.1 (9)	12.9 ± 1.7 (10)
FVB/NJ	P2	0.3 ± 0.09 (5)	8.8 ± 0.9 (3)
	P5	0.2 ± 0.02 (4)	10.4 ± 0.5 (8)
	P8	0.2 ± 0.08 (7)	12.5 ± 0.9 (8)
	P10	0.2 ± 0.1 (5)	14.4 ± 0.8 (3)

Supplementary Table 1. Total plasma bilirubin levels in C57Bl/6 & FVB/NJ mice. Values represent means±SD. Values in parenthesis indicate number of samples analysed.