Supplemental Methods

Table S1: Antibodies used for Western blotting

Primary antibody	Made in	Manufacturer	Part number	Dilution	Visualized with/Secondary antibody (dilution)	Expected MW (kDa)	Observed MW (kDa)
Anti-NMDAR1 Antibody	Rabbit (monoclonal)	Millipore	AB9864	1:2,000	IRDye 680RD Donkey anti-Rabbit IgG Secondary Antibody (1:20,000; 926-68073 from LICOR Biosciences)	120	112*
Anti-GluR1 Antibody	Rabbit (polyclonal)	Millipore	ABN241	1:1,000	IRDye 680RD Donkey anti-Rabbit IgG Secondary Antibody (1:20,000; 926-68073 from LICOR Biosciences)	110	170*
Anti-GluR2 Antibody, clone L21/32	Mouse (monoclonal)	Millipore	MABN71	1:5,000	IRDye 800CW Donkey anti-Mouse IgG Secondary Antibody (1:15,000; 926-32212 from LICOR Biosciences)	~96	96, 170*

*****denotes specific band quantified for analysis to determine effect of age and association with set-shifting performance as described in Results

Table S2: Correlations among GluR1 and GluR2 bands

		GluR1 (@ 170 kDa)	GluR2 (@ 170 kDa)	GluR2 (@ 96 kDa)
All Rats	**GluR1 (@ 170 kDa)**	1	.967**	.946**
	GluR2 (@ 170 kDa)	.967**	1	.938**
	GluR2 (@ 96 kDa)	.946**	.938**	1
Young	**GluR1 (@ 170 kDa)**	1	.975**	.945**
	GluR2 (@ 170 kDa)	.975**	1	.930**
	GluR2 (@ 96 kDa)	.945**	.930**	1
Aged	**GluR1 (@ 170 kDa)**	1	.972**	.960**
	GluR2 (@ 170 kDa)	.972**	1	.941**
	GluR2 (@ 96 kDa)	.960**	.941**	1

**$p<0.01$

Fig. S1: NR1 immunoblot

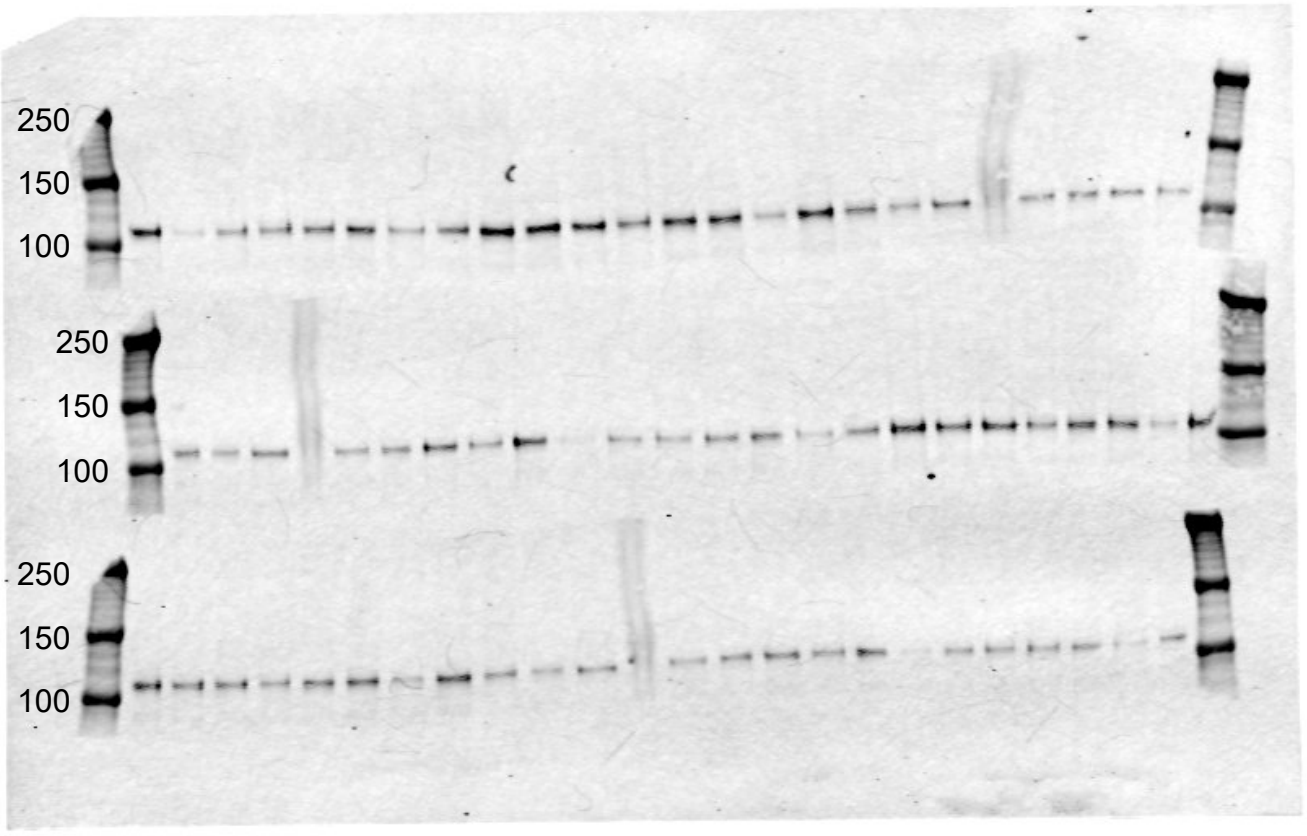

Fig. S2: GluR1 immunoblot

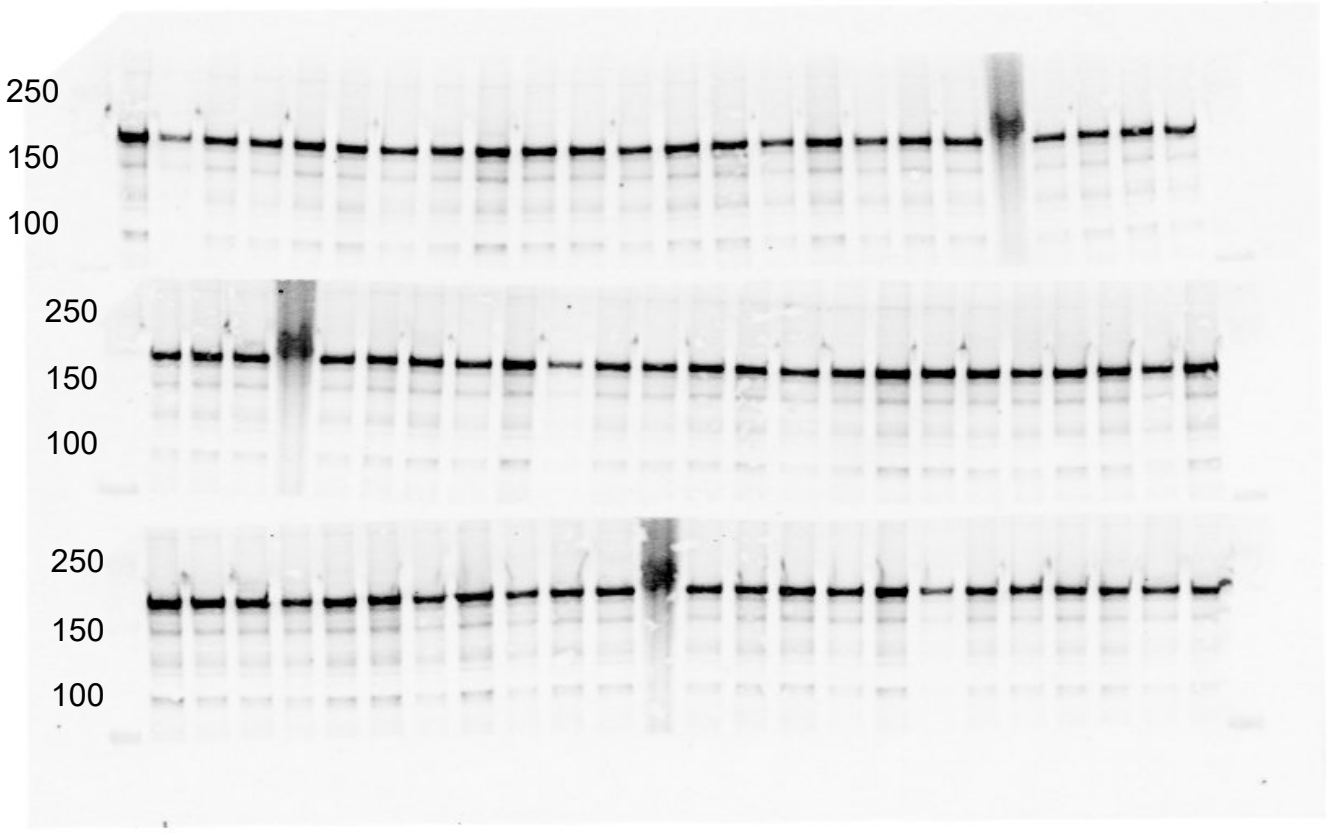

Fig. S3: GluR2 immunoblot

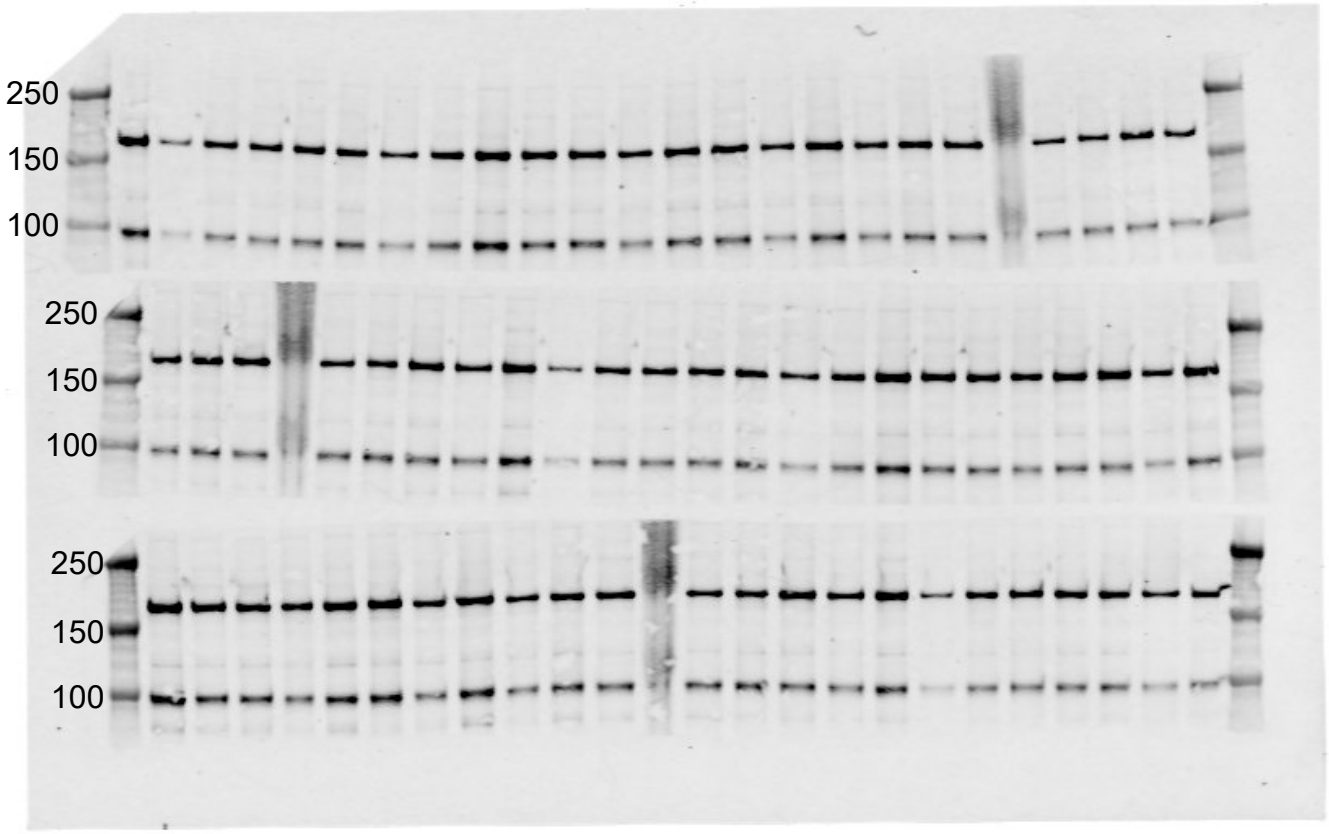

Fig. S4: Merged channels of GluR1/GluR2 immunoblot

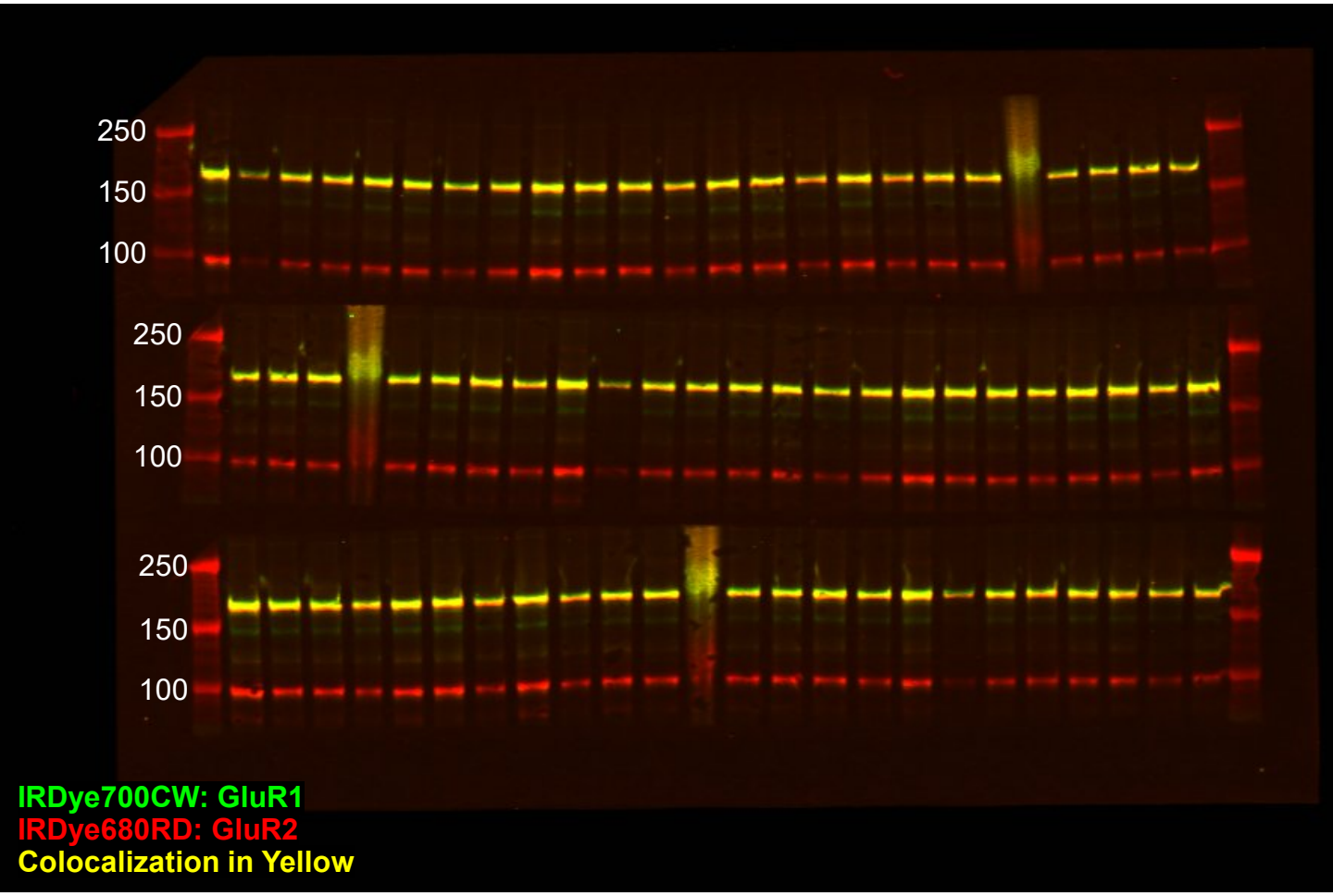

Fig S5: Tubulin immunoblot #1

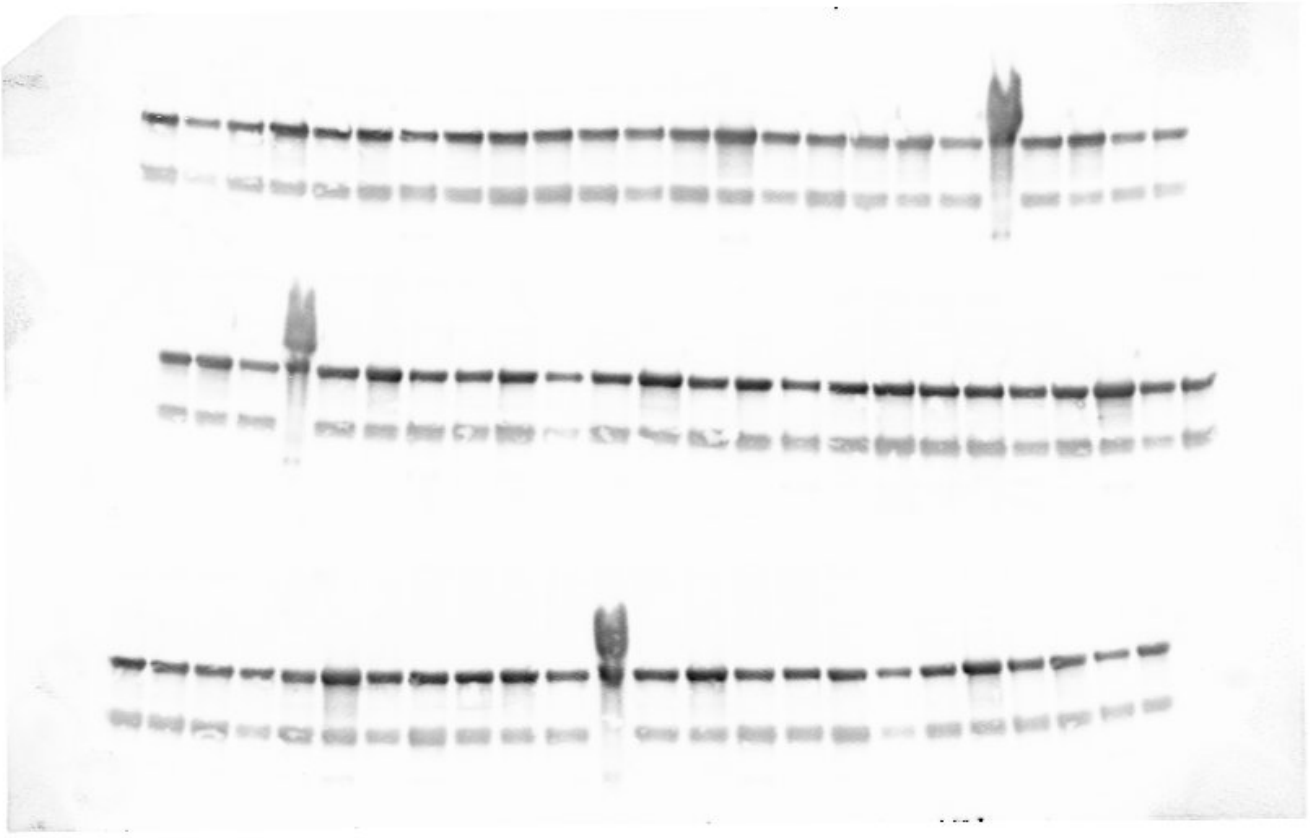

Fig S6: Tubulin immunoblot #2