

***Supplemental Data***

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***Neural Activity Correlates with Behavior Effects of Anti-Seizure Drugs Efficacy Using the Zebrafish Pentylentetrazol Seizure Model***

**Table S6. Statistical Results for Relative Midbrain GFP Activity**

The table displays the results of the one-way ANOVA (Fig 6B) performed for Figure 6B and the resulting post-hoc Tukey comparisons and accompanying p-values for groups marked for significance within the Figure 6 graph.

**Table S6: Statistical Results for Relative Midbrain GFP Intensity**

One-way ANOVA table results			
	DF	F (DFn, DFd)	P value
Treatment (between columns)	7	F (7, 88) = 36.70	P<0.0001
Residual (within columns)	88		
Total	95		
One-way ANOVA Tukey's Post-hoc Results			
Tukey's multiple comparisons test	Adjusted P Value		
EM vs. 0.1 % DMSO	0.9932		
EM vs. 10 mM PTZ	<0.0001		
EM vs. 10 mM PTZ / 100 µM CBZ	<0.0001		
EM vs. 10 mM PTZ / 200 µM TPR	<0.0001		
EM vs. 10 mM PTZ / 100 µM LTG	<0.0001		
EM vs. 10 mM PTZ / 0.05 µM GS967	0.9995		
EM vs. EM-15	>0.9999		