Table S2: Original data related to Fig. 1, Fig. 2, Fig. 3, Fig. 4 and Fig. 5

Fig. 1b				
Genotype	**Mean**	**SEM**	**N**	**Condition**
w^{1118}	0.42	0.06	26	Vehicle
w^{1118}	0.33	0.07	28	5mM 5HTP
w^{1118}	0.14	0.08	30	45mM 5HTP

Fig. 1d			
Genotype	**Mean**	**SEM**	**N**
w^{1118}; Tph-GAL4	0.49	0.08	33
w^{1118}; UAS-Sert^{DN}-GFP	0.51	0.05	28
w^{1118}; Tph-GAL4, UAS-Sert^{DN}	0.21	0.05	35

Fig. 1f			
Genotype	**Mean**	**SEM**	**N**
w^{1118}; Tph-GAL4	0.49	0.05	28
w^{1118}; UAS-Sert^{DN}	0.50	0.04	35
w^{1118}; Tph-GAL4, UAS-Sert^{DN}	0.20	0.05	32

Fig. 2d			
Genotype	**Mean**	**SEM**	**N**
w^{1118}; Sert3-GAL4	0.52	0.06	27
w^{1118}; UAS-Sert^{DN}	0.53	0.05	15
w^{1118}; Sert3-GAL4, UAS-Sert^{DN}	0.22	0.06	21

Fig. 3b				
Genotype	**Mean**	**SEM**	**N**	**Condition**
NorpA1; Sert3-GAL4; UAS-ChR2	-0.02	0.12	25	Vehicle
NorpA1; Sert3-GAL4; UAS-ChR2	-0.12	0.10	26	Retinal

Fig. 3c				
Genotype	**Mean**	**SEM**	**N**	**Condition**
NorpA1; Sert3-GAL4; UAS-ChR2	0.21	0,06	30	Vehicle
NorpA1; Sert3-GAL4; UAS-ChR2	-0.09	0,06	30	Retinal

Fig. 4a			
Genotype	**Mean**	**SEM**	**N**
w^{1118}; ;Trh-GAL4	0.49	0.04	30

Genotype	Mean	SEM	N
w^{1118}; UAS-Sert^{DN}	0.35	0.06	31
w^{1118}; UAS-Sert^{DN}; Trh-GAL4	0.33	0.05	31

Fig. 4b			
Genotype	Mean	SEM	N
w^{1118}; Sert3-GAL4; Trh-GAL4	0.52	0.07	32
w^{1118}; UAS-Sert^{DN}	0.54	0.08	32
w^{1118}; Sert3-GAL4, UAS-Sert^{DN}; Trh-GAL4	0.60	0.09	31

Fig. 4c			
Genotype	Mean	SEM	N
w^{1118}; Sert3-GAL4; RN2-GAL4	0.57	0.11	29
w^{1118}; UAS-Sert^{DN}	0.58	0.05	33
w^{1118}; Sert3-GAL4, UAS-Sert^{DN}; RN2-GAL4	0.58	0.12	20

Fig. 4d			
Genotype	Mean	SEM	N
w^{1118}; ;RN2-GAL4	0.33	0.07	45
w^{1118}; UAS-Sert^{DN}	0.24	0.07	58
w^{1118}; UAS-Sert^{DN}; RN2-GAL4	0.40	0.07	50

Fig. 5a				
Genotype	Mean	SEM	N	Conditions
w^{1118}; ;RN2-GAL4	0.06	0.07	28	
w^{1118}; UAS-Sert^{DN}	0.05	0.08	27	1% EtOH
w^{1118}; UAS-Sert^{DN}; RN2-GAL4	0.04	0.08	26	
w^{1118}; ;RN2-GAL4	0.33	0.07	25	
w^{1118}; UAS-Sert^{DN}	0.22	0.08	25	3% EtOH
w^{1118}; UAS-Sert^{DN}; RN2-GAL4	0.20	0.08	20	
w^{1118}; ;RN2-GAL4	0.29	0.06	32	
w^{1118}; UAS-Sert^{DN}	0.32	0.07	26	5% EtOH
w^{1118}; UAS-Sert^{DN}; RN2-GAL4	0.22	0.08	27	
w^{1118}; ;RN2-GAL4	0.27	0.06	34	
w^{1118}; UAS-Sert^{DN}	0.26	0.05	33	10% EtOH
w^{1118}; UAS-Sert^{DN}; RN2-GAL4	0.44	0.06	34	

*w*¹¹¹⁸*; ;RN2*-GAL4	0.02	0.05	31	
*w*¹¹¹⁸*; UAS*-Sert^{DN}	0.06	0.05	32	15% EtOH
*w*¹¹¹⁸*; UAS*-Sert^{DN}*; RN2*-GAL4	0.21	0.05	33	
*w*¹¹¹⁸*; ;RN2*-GAL4	-0.27	0.07	25	
*w*¹¹¹⁸*; UAS*-Sert^{DN}	-0.28	0.06	23	23% EtOH
*w*¹¹¹⁸*; UAS*-Sert^{DN}*; RN2*-GAL4	-0.02	0.07	22	