

Figure 6

Figure 6A (upper panel)

ctrl	4AP 6h	4AP 24h	4AP 48h	4AP 96h
0.911	0.855	1.165	1.273	1.212
0.930	1.142	1.520	1.515	0.899
1.042	1.187	1.195	1.303	1.277
1.116	1.349	1.513	1.184	1.425
0.918	1.369	1.262	1.176	1.082
0.922	1.090	1.546	1.041	0.807
1.006	1.328	1.472	1.167	0.871
1.156	1.037			
	1.364			
	1.102			
	1.463			
	1.254			
	1.260			
	1.330			

Figure 6A (center panel)

ctrl	4AP 6h	4AP 24h	4AP 48h	4AP 96h
1.186	1.863	1.471	1.207	0.720
0.982	2.129	1.309	0.912	1.143
0.934	1.717	1.216	0.968	1.044
0.899	1.904	1.493	0.690	1.024
0.986	2.587		0.877	0.644
1.003	2.129		0.744	0.642
1.147	1.897		0.814	0.577
0.863	2.193			
	1.925			
	2.202			
	2.306			
	1.703			
	1.710			
	1.518			

Figure 6A (lower panel)

ctrl	4AP 6h	4AP 24h	4AP 48h	4AP 96h
0.913	2.288	3.094	0.712	1.170
1.104	3.119	1.593	1.121	1.215
1.016	2.377	1.636	0.927	0.696
0.941	2.765	2.054	1.375	0.764
0.924	2.042	1.435	1.352	0.699
0.901	2.578	1.217	1.143	0.714
0.867	2.336	1.719	1.027	0.773
1.334	3.154			
	3.770			
	3.203			
	3.956			
	3.138			
	3.154			
	3.313			

Figure 6B (upper panel)

ctrl	scrRNA			ctrl	shRNA		
	4AP 24h	4AP 48h			4AP 24h	4AP 48h	
1.000	1.277	1.630		0.663	0.821	0.683	
0.994	1.123	1.400		0.678	0.748	0.790	
1.006	1.103	1.006		0.603	0.871	0.753	
0.994	1.419	1.127		0.609	0.867	0.756	
1.006	1.474	1.363		0.408	0.778	0.623	
1.017	1.486	1.291		0.475	1.020	0.711	
0.983	1.558	1.436		1.291	0.437	0.798	
1.155	2.034	1.435		0.432	0.817	0.872	
0.845	1.500			1.435	0.560	0.749	
				0.606	0.751	0.802	

N	8	14	7	7	7
Media	1.0000	1.2237	1.3820	1.2369	1.0819
SD	0.0967	0.1641	0.1671	0.1488	0.2333
SE	0.0342	0.0439	0.0632	0.0563	0.0882

N	8	14	4	7	7
Media	1.0000	1.9844	1.3723	0.8874	0.8277
SD	0.1134	0.2875	0.1325	0.1703	0.2335
SE	0.0401	0.0768	0.0662	0.0644	0.0883

N	8	14	7	7	7
Media	1.0000	2.9424	1.8210	1.0940	0.8615
SD	0.1544	0.5662	0.6171	0.2334	0.2282
SE	0.0546	0.1513	0.2332	0.0882	0.0863

N	9	9	8	10	10	10
Media	1.0000	1.4416	1.3360	0.7200	0.7670	0.7537
SD	0.0781	0.2772	0.1948	0.3530	0.1642	0.0696
SE	0.0260	0.0924	0.0689	0.1116	0.0519	0.0220

Figure 6B (lower panel)

ctrl	scrRNA		shRNA		
	4AP 24h	4AP 48h	ctrl	4AP 24h	4AP 48h
1.000	2.374	1.338	0.963	2.064	1.124
0.796	3.519	1.263	1.037	1.924	1.033
1.204	2.583	1.648	0.915	3.793	2.532
0.907	6.248	2.120	1.085	0.914	2.647
1.093	5.132	0.779	0.439	1.958	3.038
0.942	5.888	0.812	1.561	2.343	2.919
1.058	3.445	0.667	1.311	3.643	5.953
0.875	1.863	1.087	0.689	1.688	6.424
1.125		0.990	0.940	1.657	1.370
			1.060		1.350

Figure 6D (left panel)

eIPSCs (nA)			
ctrl/veh	ctrl/4AP	TrkBfc/veh	TrkBfc/4AP
2.669	3.690	2.231	3.120
3.169	5.600	3.442	3.507
2.456	5.541	3.138	2.754
4.013	9.900	2.462	4.308
4.472	7.400	3.558	1.976
2.500	4.924	1.530	2.486
2.070	3.568	5.184	3.080
3.448	4.722	2.560	3.700
3.228	4.126	3.000	1.650
3.602	2.630	2.700	1.896
2.418	7.646	4.300	4.812
4.115	7.400	3.100	3.200
3.692	4.656	5.182	5.288
1.702	7.000	2.130	3.556
2.590	9.000	2.976	0.833
4.168	5.098	2.652	1.926
4.238	3.596	3.278	1.966
1.312	5.116	5.136	1.890
2.450	4.430	4.382	3.678
4.008	9.500	3.896	2.620
4.600	3.187	2.000	3.466
3.700	2.276	2.280	1.874
3.868	3.696	3.108	2.610
4.208	6.338	4.000	1.488
1.365	3.940	2.452	1.688
1.524	5.076	1.386	4.446
4.548	3.676	2.462	3.488
3.568	3.632	4.786	3.698
3.440	3.902	1.876	2.684
3.986	2.242	2.500	3.552
1.948	3.946	4.093	5.530
4.028	3.650	3.134	4.082
4.024	3.910	4.332	6.126
2.304	4.876	4.154	2.592
4.250	2.526	4.384	4.942
3.948	2.624	4.920	2.830
4.266	2.297	3.190	4.496
3.430	4.074	3.228	2.372
4.554	2.814	3.060	3.208
2.098		1.654	2.678
4.020		3.230	3.266
5.008		1.774	4.714
4.622		5.380	4.172
		3.162	

Figure 6D (right panel)

PPR (I ₂ /I ₁)			
ctrl/veh	ctrl/4AP	TrkBfc/veh	TrkBfc/4AP
0.272	0.188	0.248	0.259
0.326	0.239	0.336	0.335
0.207	0.214	0.167	0.310
0.224	0.150	0.346	0.238
0.194	0.281	0.127	0.300
0.400	0.213	0.363	0.323
0.247	0.185	0.272	0.260
0.169	0.170	0.190	0.250
0.360	0.159	0.261	0.176
0.367	0.148	0.182	0.273
0.292	0.093	0.271	0.320
0.340	0.167	0.320	0.171
0.214	0.161	0.214	0.350
0.450	0.118	0.338	0.310
0.317	0.112	0.127	0.330
0.209	0.131	0.158	0.286
0.221	0.145	0.226	0.380
0.164	0.084	0.264	0.370
0.108	0.206	0.347	0.213
0.162	0.119	0.144	0.440
0.102	0.109	0.234	0.330
0.116	0.158	0.299	0.144
0.239	0.147	0.170	0.197
0.211	0.161	0.165	0.390
0.301	0.134	0.147	0.340
0.370	0.139	0.359	0.209
0.274	0.135	0.252	0.172
0.133	0.139	0.185	0.173
0.342	0.301	0.343	0.316
0.243	0.225	0.274	0.210
0.267	0.172	0.167	0.162
0.398	0.181	0.410	0.182
0.205	0.195	0.417	0.210
0.286	0.209	0.394	0.181
0.195	0.123	0.139	0.215
0.338	0.170	0.155	0.285
0.165	0.257	0.431	0.240
0.294	0.224	0.258	0.139
0.208	0.306	0.314	0.125
0.244		0.261	0.204
0.175		0.211	0.348
0.187		0.327	0.410
0.213		0.312	0.405
		0.317	

9 8 9
1.0000 3.8815 1.1893
 0.1316 1.6710 0.4661
0.0439 0.5908 0.1554

10 9 10
1.0000 2.2204 2.8390
 0.3068 0.9355 1.9237
0.0970 0.3118 0.6083

43 39 44 43
3.3866 4.7237 3.2587 3.2151
 1.0093 1.9850 1.0769 1.1938
0.1539 0.3179 0.1623 0.1821

43 39 44 43
0.2500 0.1735 0.2600 0.2670
 0.0845 0.0538 0.0866 0.0834
0.0129 0.0086 0.0131 0.0127

Figure 6

<i>Figure 6A (upper panel)</i>			
one-way ANOVA/Dunnett's tests			
Dunnett's multiple comparisons test	Significant	Summary	P Value
0 vs. 6	Yes	*	0.0147
0 vs. 24	Yes	***	0.0003
0 vs. 48	Yes	*	0.03
0 vs. 96	No	ns	0.7404
<i>Figure 6A (center panel)</i>			
one-way ANOVA/Dunnett's tests			
Dunnett's multiple comparisons test	Significant	Summary	P Value
0 vs. 6	Yes	****	<0,0001
0 vs. 24	Yes	*	0.0329
0 vs. 48	No	ns	0.7324
0 vs. 96	No	ns	0.3877
<i>Figure 6A (lower panel)</i>			
one-way ANOVA/Dunnett's tests			
Dunnett's multiple comparisons test	Significant	Summary	P Value
0 vs. 6	Yes	****	<0,0001
0 vs. 24	Yes	**	0.0031
0 vs. 48	No	ns	0.9809
0 vs. 96	No	ns	0.9276
<i>Figure 6B (upper panel)</i>			
two-way ANOVA/Tukey's tests			
Tukey's multiple comparisons test	Significant	Summary	P Value
Ctrl :scrRNA vs. 4AP 24h:scrRNA	Yes	***	0.0006
Ctrl :scrRNA vs. 4AP 48h:scrRNA	Yes	*	0.019
Ctrl :scrRNA vs. 4AP 48h:shRNA	No	ns	0.0954
Ctrl :shRNA vs. 4AP 24h:scrRNA	Yes	****	<0,0001
Ctrl :shRNA vs. 4AP 24h:shRNA	No	ns	0.9489
Ctrl :shRNA vs. 4AP 48h:scrRNA	Yes	****	<0,0001
Ctrl :shRNA vs. 4AP 48h:shRNA	No	ns	0.9489
4AP 24h:scrRNA vs. 4AP 24h:shRNA	Yes	****	<0,0001
4AP 24h:scrRNA vs. 4AP 48h:scrRNA	No	ns	0.786
4AP 24h:scrRNA vs. 4AP 48h:shRNA	Yes	****	<0,0001
4AP 24h:shRNA vs. 4AP 48h:scrRNA	Yes	****	<0,0001
4AP 24h:shRNA vs. 4AP 48h:shRNA	No	ns	0.9489
4AP 48h:scrRNA vs. 4AP 48h:shRNA	Yes	****	<0,0001

Figure 6B (lower panel)

two-way ANOVA/Tukey's tests

Tukey's multiple comparisons test	Significant	Summary	P Value
Ctrl:scrRNA vs. Ctrl:shRNA	No	ns	>0,9999
Ctrl:scrRNA vs. 4AP 24h:scrRNA	Yes	****	<0,0001
Ctrl:scrRNA vs. 4AP 24h:shRNA	No	ns	0.1702
Ctrl:scrRNA vs. 4AP 48h:scrRNA	No	ns	0.9773
Ctrl:scrRNA vs. 4AP 48h:shRNA	Yes	**	0.0097
Ctrl:shRNA vs. 4AP 24h:scrRNA	Yes	****	<0,0001
Ctrl:shRNA vs. 4AP 24h:shRNA	No	ns	0.1686
Ctrl:shRNA vs. 4AP 48h:scrRNA	No	ns	0.9773
Ctrl:shRNA vs. 4AP 48h:shRNA	Yes	**	0.0079
4AP 24h:scrRNA vs. 4AP 24h:shRNA	Yes	*	0.035
4AP 24h:scrRNA vs. 4AP 48h:scrRNA	Yes	***	0.0001
4AP 24h:scrRNA vs. 4AP 48h:shRNA	No	ns	0.2992
4AP 24h:shRNA vs. 4AP 48h:scrRNA	No	ns	0.2992
4AP 24h:shRNA vs. 4AP 48h:shRNA	No	ns	0.6651
4AP 48h:scrRNA vs. 4AP 48h:shRNA	Yes	*	0.0254

Figure 6D (left panel)

two-way ANOVA/Tukey's tests

Tukey's multiple comparisons test	Significant	Summary	P Value
NEG:veh vs. NEG:4AP	Yes	****	<0,0001
NEG:veh vs. ODN:veh	No	ns	0.9895
NEG:veh vs. ODN:4AP	No	ns	0.9004
NEG:4AP vs. ODN:veh	Yes	****	<0,0001
NEG:4AP vs. ODN:4AP	Yes	****	<0,0001
ODN:veh vs. ODN:4AP	No	ns	0.9771

Figure 6D (right panel)

two-way ANOVA/Tukey's tests

Tukey's multiple comparisons test	Significant	Summary	P Value
NEG:Ctrl vs. NEG:4AP	Yes	****	<0,0001
NEG:Ctrl vs. ODN:Ctrl	No	ns	0.8053
NEG:Ctrl vs. ODN:4AP	No	ns	0.615
NEG:4AP vs. ODN:Ctrl	Yes	****	<0,0001
NEG:4AP vs. ODN:4AP	Yes	****	<0,0001
ODN:Ctrl vs. ODN:4AP	No	ns	0.9816