Figure 1A.

AMP-activable ABR (KPL)

Chan[mV]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Chan[mV] [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Chan[mV] [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Figure 1B.

NANOGB-levels ABR (KPL)

Chan[mV]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Chan[mV] [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Chan[mV] [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Figure 1F

GlibenclEC

Chan[mV] [illegible]	Chan[mV] [illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

ribbon/SHC

Apex

	Clcyl 1-0°/0.5mm	Clcyl 0-170mm/0.1/0mm	Clcyl 0-170mm/0.1/0mm treated on P2	Clcyl 0-170mm/0.1/0mm treated on P3G
SHC1	17	13	20	14
SHC2	17	13	16	16
SHC3	17	13	16	16
SHC4	17	13	17	16
SHC5	17	13	16	16
SHC6	17	13	16	16
SHC7	17	13	16	16
SHC8	17	13	16	16
SHC9	17	13	16	16
SHC28	17	13	16	16
SHC30	17	13	16	16
SHC31	17	13	16	16
SHC32	36	13	21	16
SHC33	36	13	16	16
SHC34	36	16	16	16
SHC35	36	16	27	16
SHC36	16	16	20	16
SHC37	16	16	16	16
SHC38	16	16	20	16
SHC39	16	16	20	16
SHC40	16	16	16	16
SHC41	36	16	16	16
SHC42	36	16	16	16
SHC43	36	16	16	16
SHC44	36	16	16	16
SHC45	36	11	16	16
SHC46	36	11	16	16
SHC47	36	11	16	16
SHC48	36	11	16	16
SHC49	36	11	16	16
SHC50	36	11	16	16
SHC51	36	11	16	16
SHC52	36	11	16	16
SHC53	36	11	16	16
SHC54	36	11	16	16
SHC55	36	11	16	16
SHC56	36	11	16	16
SHC57	36	36	16	16
SHC58	36	36	16	16
SHC59	16	16	16	11
SHC60	16	16	16	11
SHC61	16	16	16	11
SHC62	16	16	16	11
SHC63	16	16	16	11
SHC64	16	16	16	11
SHC65	16	16	16	11
SHC66	16	16	16	11
SHC67	16	16	16	11
SHC68	16	16	16	11
SHC69	16	16	16	11
SHC70	16	16	16	11
SHC71	16	16	16	11
SHC72	16	16	16	11
SHC73	16	16	16	36
SHC74	16	11	16	36
SHC75	16	11	11	36
SHC76	16	11	11	36
SHC77	16	11	11	36
SHC78	16	11	11	36
SHC79	16	11	11	36
SHC80	16	11	11	36
SHC81	16	11	11	36
SHC82	16	11	11	36
SHC83	16	11	11	36
SHC84	16	11	11	36
SHC85	16	11	11	36
SHC86	16	11	11	36
SHC87	16	11	16	16
SHC88	16	11	16	16
SHC89	16	11	16	16
SHC90	16	11	16	16
SHC91	16	11	16	16
SHC92	16	11	16	16
SHC93	16	11	16	16
SHC94	16	11	16	16
SHC95	16	11	16	16
SHC96	16	11	16	16
SHC97	16	11	16	16
SHC98	16	11	16	16
SHC99	16	11	16	16
SHC100	16	11	16	16
SHC101	16	11	16	16
SHC102	16	11	16	16
SHC103	16	11	16	16
SHC104	16	11	16	16
SHC105	16	11	16	16
SHC106	16	11	16	16
SHC107	16	11	16	16
SHC108	16	11	16	16

Middle

	Clcyl 1-0°/0.5mm	Clcyl 0-170mm/0.1/0mm	Clcyl 0-170mm/0.1/0mm treated on P2	Clcyl 0-170mm/0.1/0mm treated on P3G
SHC1	17	8	11	14
SHC2	17	8	11	14
SHC3	17	8	11	14
SHC4	17	8	11	14
SHC5	17	8	11	14
SHC6	17	8	11	14
SHC7	17	8	11	14
SHC8	17	8	11	14
SHC9	17	8	11	14
SHC28	17	8	11	14
SHC30	17	8	11	14
SHC31	17	8	11	14
SHC32	21	8	11	14
SHC33	21	11	11	14
SHC34	21	11	11	8
SHC35	21	11	11	11
SHC36	21	11	11	11
SHC37	21	11	11	11
SHC38	21	11	11	8
SHC39	21	11	11	11
SHC40	21	11	11	11
SHC41	21	11	11	11
SHC42	21	11	11	14
SHC43	21	11	11	14
SHC44	21	11	11	14
SHC45	36	8	11	14
SHC46	36	8	11	14
SHC47	36	8	11	14
SHC48	36	8	11	14
SHC49	36	8	11	14
SHC50	36	8	11	14
SHC51	36	8	11	14
SHC52	36	8	11	14
SHC53	36	8	11	14
SHC54	36	8	11	14
SHC55	36	8	11	14
SHC56	36	8	11	14
SHC57	36	8	11	14
SHC58	36	8	11	14
SHC59	36	11	11	14
SHC60	36	11	11	14
SHC61	36	11	11	14
SHC62	36	11	11	14
SHC63	36	11	11	14
SHC64	36	11	11	14
SHC65	36	11	11	14
SHC66	36	11	11	14
SHC67	36	36	11	14
SHC68	36	36	11	14
SHC69	36	36	11	14
SHC70	36	36	11	14
SHC71	36	36	11	14
SHC72	36	36	11	14
SHC73	36	36	11	14
SHC74	36	36	11	14
SHC75	36	36	11	14
SHC76	36	36	11	14
SHC77	36	36	11	14
SHC78	36	36	11	14
SHC79	36	36	11	14
SHC80	36	36	11	14
SHC81	36	36	11	14
SHC82	36	36	11	14
SHC83	36	36	11	14
SHC84	36	36	11	14
SHC85	36	36	11	14
SHC86	36	36	11	14
SHC87	36	36	11	14
SHC88	36	36	11	14
SHC89	36	36	11	14
SHC90	36	36	11	14
SHC91	36	36	11	14
SHC92	36	36	11	14
SHC93	36	36	11	14
SHC94	36	36	11	14
SHC95	36	36	11	14
SHC96	36	36	11	14
SHC97	36	36	11	14
SHC98	36	36	11	14
SHC99	36	36	11	14
SHC100	36	36	11	14
SHC101	36	36	11	14
SHC102	36	36	11	14
SHC103	36	36	11	14
SHC104	36	36	11	14
SHC105	36	36	11	14
SHC106	36	36	11	14
SHC107	36	36	11	14
SHC108	36	36	11	14

Base

	Clcyl 1-0°/0.5mm	Clcyl 0-170mm/0.1/0mm	Clcyl 0-170mm/0.1/0mm treated on P2	Clcyl 0-170mm/0.1/0mm treated on P3G
SHC1	36	8	11	14
SHC2	36	8	11	14
SHC3	36	8	11	14
SHC4	36	8	11	14
SHC5	36	8	11	14
SHC6	36	8	11	14
SHC7	36	8	11	14
SHC8	36	8	11	14
SHC9	36	8	11	14
SHC28	36	8	11	14
SHC30	36	8	11	14
SHC31	36	8	11	14
SHC32	36	8	11	14
SHC33	36	8	11	14
SHC34	36	7	11	14
SHC35	36	7	11	14
SHC36	16	7	11	14
SHC37	16	7	11	14
SHC38	16	7	11	8
SHC39	16	7	11	14
SHC40	16	7	11	14
SHC41	36	7	11	14
SHC42	36	7	11	14
SHC43	36	7	11	14
SHC44	36	7	11	14
SHC45	11	8	11	14
SHC46	11	8	11	14
SHC47	11	8	11	14
SHC48	11	8	11	14
SHC49	11	8	11	14
SHC50	11	8	11	14
SHC51	11	8	11	14
SHC52	11	8	11	14
SHC53	11	8	11	14
SHC54	11	8	11	14
SHC55	11	8	11	14
SHC56	11	8	11	14
SHC57	16	8	11	14
SHC58	16	8	11	14
SHC59	16	8	11	14
SHC60	16	8	11	14
SHC61	16	8	11	14
SHC62	16	8	11	14
SHC63	16	8	11	14
SHC64	16	8	11	14
SHC65	16	8	11	14
SHC66	16	8	11	14
SHC67	16	8	11	14
SHC68	16	8	11	14
SHC69	16	8	11	14
SHC70	16	8	11	14
SHC71	16	8	11	14
SHC72	16	8	11	14
SHC73	16	8	11	14
SHC74	16	8	11	14
SHC75	16	8	11	14
SHC76	16	8	11	14
SHC77	16	8	11	14
SHC78	16	8	11	14
SHC79	16	8	11	14
SHC80	16	8	11	14
SHC81	16	8	11	14
SHC82	16	8	11	14
SHC83	16	8	11	14
SHC84	16	8	11	14
SHC85	16	8	11	14
SHC86	16	8	11	14
SHC87	16	8	11	14
SHC88	16	8	11	14
SHC89	16	8	11	14
SHC90	16	8	11	14
SHC91	16	8	11	14
SHC92	16	8	11	14
SHC93	16	8	11	14
SHC94	16	8	11	14
SHC95	16	8	11	14
SHC96	16	8	11	14
SHC97	16	8	11	14
SHC98	16	8	11	14
SHC99	16	8	11	14
SHC100	16	8	11	14
SHC101	16	8	11	14
SHC102	16	8	11	14
SHC103	16	8	11	14
SHC104	16	8	11	14
SHC105	16	8	11	14
SHC106	16	8	11	14
SHC107	16	8	11	14
SHC108	16	8	11	14

All

	Clcyl 1-0°/0.5mm	Clcyl 0-170mm/0.1/0mm	Clcyl 0-170mm/0.1/0mm treated on P2	Clcyl 0-170mm/0.1/0mm treated on P3G
SHC1	17	13	20	14
SHC2	17	13	16	16
SHC3	17	13	16	16
SHC4	17	13	17	16
SHC5	17	13	16	16
SHC6	17	13	16	16
SHC7	17	13	16	16
SHC8	17	13	16	16
SHC9	17	13	16	16
SHC28	17	13	16	16
SHC30	17	13	16	16
SHC31	17	13	16	16
SHC32	36	13	21	16
SHC33	36	13	16	16
SHC34	36	16	16	16
SHC35	36	16	27	16
SHC36	16	16	20	16
SHC37	16	16	16	16
SHC38	16	16	20	16
SHC39	16	16	20	16
SHC40	16	16	16	16
SHC41	36	16	16	16
SHC42	36	16	16	16
SHC43	36	16	16	16
SHC44	36	16	16	16
SHC45	36	11	16	16
SHC46	36	11	16	16
SHC47	36	11	16	16
SHC48	36	11	16	16
SHC49	36	11	16	16
SHC50	36	11	16	16
SHC51	36	11	16	16
SHC52	36	11	16	16
SHC53	36	11	16	16
SHC54	36	11	16	16
SHC55	36	11	16	16
SHC56	36	11	16	16
SHC57	36	36	16	16
SHC58	36	36	16	16
SHC59	16	16	16	11
SHC60	16	16	16	11
SHC61	16	16	16	11
SHC62	16	16	16	11
SHC63	16	16	16	11
SHC64	16	16	16	11
SHC65	16	16	16	11
SHC66	16	16	16	11
SHC67	16	16	16	11
SHC68	16	16	16	11
SHC69	16	16	16	11
SHC70	16	16	16	11
SHC71	16	16	16	11
SHC72	16	16	16	11
SHC73	16	16	16	36
SHC74	16	11	16	36
SHC75	16	11	11	36
SHC76	16	11	11	36
SHC77	16	11	11	36
SHC78	16	11	11	36
SHC79	16	11	11	36
SHC80	16	11	11	36
SHC81	16	11	11	36
SHC82	16	11	11	36
SHC83	16	11	11	36
SHC84	16	11	11	36
SHC85	16	11	11	36
SHC86	16	11	11	36
SHC87	16	11	16	16
SHC88	16	11	16	16
SHC89	16	11	16	16
SHC90	16	11	16	16
SHC91	16	11	16	16
SHC92	16	11	16	16
SHC93	16	11	16	16
SHC94	16	11	16	16
SHC95	16	11	16	16
SHC96	16	11	16	16
SHC97	16	11	16	16
SHC98	16	11	16	16
SHC99	16	11	16	16
SHC100	16	11	16	16
SHC101	16	11	16	16
SHC102	16	11	16	16
SHC103	16	11	16	16
SHC104	16	11	16	16
SHC105	16	11	16	16
SHC106	16	11	16	16
SHC107	16	11	16	16
SHC108	16	11	16	16
SHC109	21	8	16	14
SHC110	21	8	16	14
SHC111	21	8	16	14
SHC112	21	8	16	14
SHC113	21	8	16	14
SHC114	21	8	16	14
SHC115	21	8	16	14
SHC116	21	8	16	14
SHC117	21	8	16	14
SHC118	21	8	16	14
SHC119	21	8	16	14
SHC120	21	8	16	14
SHC121	21	11	16	14
SHC122	16	11	16	14
SHC123	16	11	16	14
SHC124	16	11	16	14
SHC125	16	11	16	14
SHC126	16	11	16	14
SHC127	16	11	16	14
SHC128	16	11	16	14
SHC129	16	11	16	14
SHC130	16	11	16	14
SHC131	16	11	16	14
SHC132	16	8	11	8
SHC133	16	8	11	8
SHC134	16	8	11	8
SHC135	16	8	11	8
SHC136	16	8	11	8
SHC137	16	8	11	8
SHC138	16	8	11	8
SHC139	16	8	11	8
SHC140	16	8	11	8
SHC141	16	8	11	8
SHC142	16	8	11	8
SHC143	16	8	11	8
SHC144	16	8	11	8
SHC145	16	8	11	8
SHC146	16	8	11	8
SHC147	16	8	11	8
SHC148	16	8	11	8
SHC149	16	8	11	8
SHC150	16	8	11	8
SHC151	16	8	11	8
SHC152	16	8	11	8
SHC153	16	8	11	8
SHC154	16	8	11	8
SHC155	16	8	11	8
SHC156	16	8	11	8
SHC157	16	8	11	8
SHC158	16	8	11	8
SHC159	16	8	11	8
SHC160	16	8	11	8
SHC161	16	8	11	8
SHC162	16	8	11	8
SHC163	16	8	11	8
SHC164	16	8	11	8
SHC165	16	8	11	8
SHC166	16	8	11	8
SHC167	16	8	11	8
SHC168	16	8	11	8
SHC169	16	8	11	8
SHC170	16	8	11	8
SHC171	16	8	11	8
SHC172	16	8	11	8
SHC173	16	8	11	8
SHC174	16	8	11	8
SHC175	16	8	11	8
SHC176	16	8	11	8
SHC177	16	8	11	8
SHC178	16	8	11	8
SHC179	16	8	11	8
SHC180	16	8	11	8
SHC181	16	8	11	8
SHC182	16	8	11	8
SHC183	16	8	11	8
SHC184	16	8	11	8
SHC185	16	8	11	8
SHC186	16	8	11	8
SHC187	16	8	11	8
SHC188	16	8	11	8
SHC189	16	8	11	8
SHC190	16	8	11	8
SHC191	16	8	11	8
SHC192	16	8	11	8
SHC193	16	8	11	8
SHC194	16	8	11	8
SHC195	16	8	11	8
SHC196	16	8	11	8
SHC197	16	8	11	8
SHC198	16	8	11	8
SHC199	16	8	11	8
SHC200	16	8	11	8
SHC201	16	8	11	8
SHC202	16	8	11	8
SHC203	16	8	11	8
SHC204	16	8	11	8
SHC205	16	8	11	8
SHC206	16	8	11	8
SHC207	16	8	11	8
SHC208	16	8	11	8
SHC209	16	8	11	8
SHC210	16	8	11	8
SHC211	16	8	11	8
SHC212	16	8	11	8
SHC213	16	8	11	8
SHC214	16	8	11	8
SHC215	16	8	11	8
SHC216	16	8	11	8
SHC217	16	8	11	8
SHC218	16	8	11	8
SHC219	16	8	11	8
SHC220	16	8	11	8
SHC221	16	8	11	8
SHC222	16	8	11	8
SHC223	16	8	11	8
SHC224	16	8	11	8
SHC225	16	8	11	8
SHC226	16	8	11	8
SHC227	16	8	11	8
SHC228	16	8	11	8
SHC229	16	8	11	8
SHC230	16	8	11	8
SHC231	16	8	11	8
SHC232	16	8	11	8
SHC233	16	8	11	8
SHC234	16	8	11	8
SHC235	16	8	11	8
SHC236	16	8	11	8
SHC237	16	8	11	8
SHC238	16	8	11	8
SHC239	16	8	11	8
SHC240	16	8	11	8
SHC241	16	8	11	8
SHC242	16	8	11	8
SHC243	16	8	11	8
SHC244	16	8	11	8
SHC245	16	8	11	8
SHC246	16	8	11	8
SHC247	16	8	11	8
SHC248	16	8	11	8
SHC249	16	8	11	8
SHC250	16	8	11	8
SHC251	16	8	11	8
SHC252	16	8	11	8
SHC253	16	8	11	8
SHC254	16	8	11	8
SHC255	16	8	11	8
SHC256	16	8	11	8
SHC257	16	8	11	8
SHC258	16	8	11	8
SHC259	16	8	11	8
SHC260	16	8	11	8
SHC261	16	8	11	8
SHC262	16	8	11	8
SHC263	16	8	11	8
SHC264	16	8	11	8
SHC265	16	8	11	8
SHC266	16	8	11	8
SHC267	16	8	11	8
SHC268	16	8	11	8
SHC269	16	8	11	8
SHC270	16	8	11	8
SHC271	16	8	11	8

84272	14	4		10
84273	14	4		7
84274	14	4		4
84275	14	4		8
84276	14	4		4
84277	14	4		10
84278	14	4		11
84279	14	4		10
84280	14	4		7
84281	14	4		10
84282	13	4		11
84283	13	4		4
84284	13	4		4
84285	13	4		4
84286	13	4		11
84287	13	4		10
84288	13	4		4
84289	13	4		4
84290	13	4		7
84291	13	4		4
84292	13	4		4
84293	13	4		4
84294	13	4		4
84295	13	4		4
84296	13	4		10
84297	13	4		11
84298	13	4		4
84299		4		11
84300		4		4
84301		4		4
84302		4		4
84303		4		
84304		4		
84305		4		
84306		4		
84307		4		
84308		4		
84309		4		
84310		4		
84311		4		

Western Ural

Strain Cu^{2+} nanoferrite prepared hydrazine SO_4^{2-} (mol/l)

Strain															
1	0.01				0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	0.01	0.01			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
4	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
5	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
7	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
8	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
9	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
11	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
12	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
13	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
14	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
15	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
16	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Strain Cu^{2+} nanoferrite prepared hydrazine SO_4^{2-} (mol/l)

Strain															
1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
3	0.01	0.01	0.01	0.01

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

Test GO/NoGO

Correct

Control	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10	Mouse 11
100%	0,80952381	0,66666667	0,78571429	0,79310345	0,52287582	0,696	0,41538462	0,77142857	0,875	0,80722892	0,72535211
40%	0,6835443	0,61538462	0,67741936	0,88372093	0,38150289	0,46527778	0,37209302	0,51515152	0,82608696	0,53278689	0,26136364
20%	0,515625	0,53571429	0,33333333	0,68571429	0,375	0,36440678	0,203125	0,3559322	0,375	0,34513274	0,20879121
10%	0,3	0,41935484	0,26923077	0,69696697	0,38311688	0,4025974	0,25	0,4	0,33333333	0,36046512	0,2173913
4%	0,23404255	0,41025641	0,27272727	0,69047619	0,42718447	0,35714286	0,25531915	0,4	0,21875	0,37931034	0,234375

Correct

Otof E1799del/E1799del	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6
100%	0,25352113	0,34394904	0,20689655	0,3852459	0,22222222	0,3
40%	0,08888889	0,26143791	0,17318436	0,33076923	0,19847328	0,30508475
20%	0,2	0,5	0,15609756	0,40650407	0,14084507	0,31521739
10%	0,23076923	0,5	0	0,47368421	0,18181818	0,26213592
4%	0,03703704	0,3	0,22580645	0,1971831	0,19277108	0,28571429

Correct

Otof E1799del/E1799del treated on P2	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10
100%	0,7375	0,5487805	0,5522388	0,4133333	0,4705882	0,7142857	0,6428571	0,631068	0,7752809	0,754386
40%	0,5833333	0,4835165	0,3114754	0,1456954	0,2983871	0,4851485	0,3116883	0,4310345	0,475	0,6904762
20%	0,5483871	0,2539683	0,2142857	0,2604167	0,1962617	0,3058824	0,3238095	0,3253012	0,2391304	0,1764706
10%	0,509434	0,1851852	0,2857143	0,2846154	0,2596154	0,25	0,3312883	0,4814815	0,2258065	0,2173913
4%	0,5192308	0,2321429	0,1746032	0,2207792	0,1216216	0,1728395	0,2259615	0,4035088	0,3166667	0,2142857

Correct

Otof E1799del/E1799del treated on P30	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10
100%	0,829268	0,60177	0,5	0,735294	0,666667	0,461538	0,578947	0,597222	0,54545455	0,28571429
40%	0,683761	0,058824	0,35	0,410714	0,391304	0,308824	0,666667	0,164706	0,5	0,43333333
20%	0,383562	0,209677	0,134615		0	0,27027	0,363636	0,097561	0,125	0,19565217
10%	0,191176	0,323077	0,115385		0,142857	0,243243	0	0,097561	0,375	0,375
4%	0,211111	0,206186	0,130435		0,285714	0,166667	0,333333	0,097222	0	0,43478261

Test GO/NoGO

False alarm

Control	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10	Mouse 11
100%	0,20097245	0,2005571	0,16600791	0,1969697	0,12179487	0,13513514	0,36111111	0,34254144	0,43298969	0,53030303	0,4573991
40%	0,2218543	0,22815534	0,15328467	0,18589744	0,24472574	0,17204301	0,33443709	0,27083333	0,35055351	0,33333333	0,23333333
20%	0,16509434	0,29710145	0,16935484	0,17514124	0,16292135	0,12727273	0,2967033	0,17525773	0,36818182	0,24615385	0,23943662
10%	0,13306452	0,22846442	0,09271523	0,17419355	0,23300971	0,14450867	0,32692308	0,45714286	0,27586207	0,41726619	0,30801688
4%	0,18584071	0,17647059	0,08588957	0,24223602	0,17177914	0,111111111	0,20689655	0,21359223	0,32388664	0,34172662	0,31355932

False alarm

Otof E1799del/E1799del	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6
100%	0,23263889	0,32750397	0,18678161	0,33808554	0,38538682	0,39774557
40%	0,09141274	0,2675367	0,13947001	0,30975143	0,20710059	0,30192308
20%	0,17174515	0,29678639	0,19708029	0,30645161	0,17992424	0,26470586
10%	0,11111111	0,32352941	0,17021277	0,3375	0,15492958	0,35949946
4%	0,07272727	0,2364532	0,12365591	0,22377622	0,19382023	0,25181598

False alarm

Otof E1799del/E1799del treated on P2	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10
100%	0,4753086	0,2694611	0,2830882	0,2086093	0,2492669	0,204142	0,2817259	0,3798077	0,3861111	0,371179
40%	0,2272727	0,1929348	0,1975806	0,1456954	0,2092555	0,1428571	0,237013	0,3220339	0,2883436	0,3391813
20%	0,2988048	0,2134387	0,1395349	0,187013	0,2013889	0,2082111	0,2677725	0,3134328	0,1945946	0,2571429
10%	0,2624528	0,1547344	0,1732283	0,2207294	0,1913876	0,117284	0,2885496	0,3440367	0,216	0,1521739
4%	0,3286385	0,18444444	0,19215686	0,1948052	0,13666667	0,10429448	0,24162679	0,33991228	0,19421488	0,19298246

False alarm

Otof E1799del/E1799del treated on P30	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10
100%	0,363083	0,254945	0,181818	0,289855	0,310811	0,182692	0,394737	0,323024	0,14772727	0,05263158
40%	0,303609	0,17029	0,135802	0,302222	0,173913	0,271739	0,195876	0,238372	0,19117647	0,14634146
20%	0,237288	0,236	0,123223		0,270833	0,256757	0,152174	0,191617	0,09146342	0,14736842
10%	0,178832	0,190114	0,162939		0,105882	0,261745	0,173913	0,191617	0,111111111	0,36363636
4%	0,16758242	0,20769231	0,10869565		0,11864407	0,13103448	0,16216216	0,08965517	0,15625	0,16129032

Figure 1G

Mean Ca^{2+} current amplitudes (ICa^{2+}) (pA)

Otof $^{+/E1759del}$							
Vm (mV)	IHC1	IHC2	IHC3	IHC4	IHC5	IHC6	IHC7
-60	-4,59	-6,3	1,84	-4,33	-1,9	-3,2	1,78
-50	1,54	-4,68	-5,71	-9,69	-4,05	-6,58	-6,58
-40	-20,25	-58,49	-46,37	-47,8	-34,86	-54,06	-55,67
-35	-62,42	-115,81	-105,7	-109,6	-81,53	-96,78	-119,01
-30	-121,14	-232,98	-184,86	-199,03	-141,48	-170,39	-249,64
-25	-200,17	-318,85	-281,33	-339,41	-240,95	-237,49	-394,56
-20	-326,87	-395,47	-363,03	-486,75	-310,85	-283,48	-574,02
-15	-400,76	-447,54	-405,62	-573,56	-371,63	-319,08	-690,22
-10	-452,54	-491,59	-422,58	-636,59	-395,69	-343,93	-753,33
-5	-469,64	-501,65	-415,74		-404	-335,2	-764,39
0	-462,7	-482,14	-387,41		-397,5	-301,7	-730,87
5					-376,45	-278,17	-679,78
10	-397,86	-401,92	-304,23		-334,19	-242,35	-613,6
20	-313,92	-355,51	-215,93		-262,46	-154,69	-469,5
30	-223,97	-249,31	-148,83		-221,21	-97,35	-351,39
40	-161,68	-220,64	-109,46		-196,18	-39,56	-262,08

Otof $^{E1759del/E1759del}$						
Vm (mV)	IHC1	IHC2	IHC3	IHC4	IHC5	IHC6
-60	-2,55	-4,18	4,84	5,07	-3,3	6,97
-50	-6,07	-5,91	-11	-9,29	-4,98	-17,54
-40	-39,83	-39,16	-45,22	-47,38	-36,27	-25,55
-35	-101,73	-87,94	-112,49	-95,36	-95,02	-58,99
-30	-220,26	-154,07	-196,41	-176,41	-168,16	-109,48
-25	-377	-253,34	-322,84	-293,43	-248,46	-180,79
-20	-534,37	-352,34	-432,35	-413,94	-307,21	-258,82
-15	-671,75	-429,8	-507,45	-497	-347,51	-307,44
-10	-752,69	-475,44	-522	-531,3	-356,57	-356,3
-5	-765,33	-491,82	-519,59	-534,78	-362,06	-365,58
0	-744,03		-494,24	-511,95	-336,86	-356,16
5	-682,2			-482,5	-306,93	-332,86
10	-612,86		-398,66	-417,17	-272,8	-307,09
20	-458,24		-298,05	-305,98	-204,28	-255,82
30	-319,69		-211,25	-232,55	-150,45	-190,41
40	-230,93		-153,45	-148,62	-118,15	-148,09

Figure 1F

Capacitance changes (ΔC_m)

Otof $^{+/E1759del}$							
t (ms)	IHC1	IHC2	IHC3	IHC4	IHC5	IHC6	IHC7
5	7,7	0,27	2,33	2	9,17	-7,5	-1,6
10	1,14	7,96	8,46	2,34	7,55	-5,31	0,56
20	1,01	10,1	4,51	3,81	20,23	3,71	2,7
50	25,93	24,76	23,75	13,78	55,09	4,68	10,55
100	73,3	67,93	39,25	36,5	62,26	19,58	21,47

Otof $^{E1759del/E1759del}$						
t (ms)	IHC1	IHC2	IHC3	IHC4	IHC5	IHC6
5	3,64	-0,21	4,43	-3,11	1,53	3,14
10	1,8	5,5	4,8	6,59	-3,26	11,16
20	2,18	4	4,02	0,42	3,23	
50	7,88	6,08	9,45	4,4	5,79	9,04
100	8,84	18,41	17,2	22,2	4,58	19,82

Figure 1F

ribbon/IHC

	Otof $^{+/E1759del}$	*Otof* $^{E1759del/E1759del}$
IHC1	13	14
IHC2	13	14
IHC3	13	14
IHC4	13	14
IHC5	13	14
IHC6	13	14
IHC7	13	14
IHC8	13	14
IHC9	13	14
IHC10	13	14
IHC11	13	14
IHC12	17	10
IHC13	17	10
IHC14	17	10
IHC15	17	10
IHC16	17	10
IHC17	17	10
IHC18	17	10
IHC19	17	10
IHC20	17	10
IHC21	17	10
IHC22	17	10
IHC23	17	13
IHC24	19	13
IHC25	19	13
IHC26	19	13
IHC27	19	13
IHC28	19	13
IHC29	19	13
IHC30	19	13
IHC31	19	13
IHC32	19	13
IHC33	19	13
IHC34	19	

Startle response (Vmax, mV)

Control	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10
60	38,67	30,67	19,03	27,17	23,24	26,43	17,04	25,62	42,07	23,93
65	36,4	24,44	22,17	47,64	33,5	27,11	17,26	23,48	38,58	23,58
70	39,2	27,28	27,15	47	25,21	25,83	20,86	24,71	41	24,54
75	30,31	21,32	27,11	51,73	31,65	39,64	19,27	29,84	37,12	31,03
80	31,48	25,82	22,07	38,3	27,11	24,07	17,78	19,7	42,08	27,69
85	30,06	23,61	29,41	40,21	32,32	25,87	17,03	26,63	46,72	24,52
90	33,03	34,87	21,81	42,43	23,07	27,64	22,67	23,24	44,61	35
95	34,63	20,76	22,61	49,17	26,23	30,1	16,81	24,25	37,81	27,55
100	31,97	24,94	29,82	39,5	32,19	29,57	21,65	32,37	34,42	31,17
105	36,64	39	29,59	32,07	57	55,2	45,48	62,81	49,82	28,71
110	37,33	44,28	44,48	40,64	81,48	62,77	62,97	88,25	49,07	25,65

Otof $^{E1799del/E1799del}$	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10	Mouse 11	Mouse 12
60	27,74	19,81	12,39	25,92	24,75	17,53	31,00	20,07	34,91	21,31	23,25	43,69
65	37,63	21,96	13,86	18,97	27,87	18,70	22,00	30,30	36,30	21,12	23,05	38,93
70	34,29	25,50	15,30	29,86	30,27	17,03	31,97	29,70	32,30	20,37	26,16	34,59
75	25,43	23,31	21,28	25,23	23,11	17,08	43,78	30,43	35,78	21,94	27,89	46,96
80	27,39	22,00	14,36	23,11	25,58	18,86	70,00	42,36	33,58	25,00	19,07	33,74
85	27,82	25,37	16,77	28,19	23,48	19,10	57,58	31,04	34,33	26,18	23,39	36,97
90	25,21	22,79	15,39	24,87	28,59	17,48	29,27	30,71	36,69	20,10	23,28	35,50
95	32,79	27,77	20,43	21,28	23,85	18,48	47,71	36,07	30,80	19,72	31,76	40,31
100	28,48	23,84	13,73	25,45	32,76	19,77	30,25	35,74	29,48	27,83	20,93	51,50
105	31,69	24,25	17,00	30,10	29,73	21,52	30,17	27,83	29,79	19,45	25,44	44,81
110	29,08	24,55	29,26	34,66	27,73	20,53	39,70	43,00	36,79	23,81	23,97	37,71

Otof $^{E1799del/E1799del}$ *treated on P2*	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8
60	31,27	38,56	35,83	27,4	25,7	27,4	27,63	32,52
65	37,58	33,69	26,89	40	33,07	31,44	18,5	30,54
70	28,6	37,42	32,57	31,29	30,22	31,04	20,94	32
75	38,57	29,31	32,4	30,82	26,45	38,17	29,77	36
80	35,96	39,9	30,5	34,96	29,08	32	22,84	35,61
85	34,21	44,3	26,08	34,63	29,94	30,39	22,23	35,5
90	33,83	35,61	39,5	47,55	26,12	34,95	25,13	44,37
95	41,86	48,72	57,55	39,61	27,89	40,74	23,71	34,37
100	51,32	27,97	33,4	49,05	33,97	34,9	27	33,17
105	56,1	40,39	59,42	52,9	53	51,73	35,41	31,17
110	60,32	45,85	43,25	55,16	68	61,18	42,45	40,85

Otof $^{E1799del/E1799del}$ *treated on P30*	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10	Mouse 11	Mouse 12
60	34,71	34,21	25,94	30,07	31,07	28,34	26,73	37,1	22,29	31,11	32,48	28,81
65	33,96	33,48	29,93	25,96	33,68	23,08	29	46,26	17,76	23,3	30,22	32
70	38,23	45,78	33,42	25,1	38,37	28,13	32,48	55,31	30,4	23,42	31,46	30,29
75	29,04	33	29,82	33,53	35,4	33,67	30	38,72	30,16	22,83	38,26	28,72
80	35,52	35,29	25,48	29,1	32,85	31,77	31,17	42,97	31,81	28,07	33,32	30,42
85	33,77	26,32	33,13	30	33,43	24,54	32,78	37,72	24,75	32,52	29,25	34,39
90	33,56	32,42	31,58	30,7	41,48	27,26	38,64	43,77	28,43	35,15	31	30,15
95	37,9	38,77	27,42	36,98	41,5	41,89	33,63	38,07	30,58	25,52	28,85	28,65
100	39,37	39,78	28,29	31,1	37,68	41,38	29,41	60,42	25,77	25,61	32,24	44,89
105	38	43,99	24,75	32,36	41,24	40,85	39,58	48,5	36	46,68	32,04	39,1
110	63,48	52,4	39,33	36,33	42,18	55,56	45,76	102,2	29	67,41	35,73	45,46

PPI (Vmax, mV)

Control	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10
0-120	44,85	44	63,43	42,1	79,48	57,82	55,58	94,15	71,82	59,31
60-120	37,63	39,46	38,04	40,38	47,54	44,84	36,88	56,57	27,05	53,04

Otof $^{E1799del/E1799del}$	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10	Mouse 11	Mouse 12
0-120	39,57	25,14	33,74	38,55	25,98	41,63	19,24	25,86	46,61	36,37	30,95	48,76
60-120	37,78	24,20	31,17	40,08	27,81	43,48	19,40	25,05	60,86	35,75	47,55	57,22

Otof $^{E1799del/E1799del}$ *treated on P2*	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8
0-120	44,08	47,77	46,17	55,52	45,31	80,95	90,90	46,24
60-120	36,57	41,80	39,88	42,29	39,29	26,08	46,05	39,76

Otof $^{E1799del/E1799del}$ *treated on P30*	Mouse 1	Mouse 2	Mouse 3	Mouse 4	Mouse 5	Mouse 6	Mouse 7	Mouse 8	Mouse 9	Mouse 10	Mouse 11	Mouse 12
0-120	32,55	76,05	45,60	47,42	54,53	52,47	44,98	39,86	44,82	75,52	45,50	75,52
60-120	30,24	47,20	43,58	39,53	38,73	38,33	41,24	30,65	33,77	69,22	37,48	69,22