



Table 3 – Pup isolation calls

Pup (isolation calls)											
mean	peak freq(start)	peak ampli(start)	peak freq(end)	peak ampli(end)	peak freq(centre)	peak ampli(centre)	peak freq(max)	peak ampli(max)	peak freq(minentire)	peak freq(maxentire)	peak ampli(maxentire)
WT 001	74770	-35,30	71569	-34,32	77559	-16,63	79941	-11,32	65136	85162	-11,32
WT 002	65596	-30,22	65637	-28,50	72100	-9,76	73761	-7,35	56490	80562	-7,35
WT 003	77427	-36,00	79074	-33,16	80488	-18,71	84275	-12,64	69547	90639	-12,64
WT 004	75861	-40,34	73709	-39,68	75762	-25,13	78786	-17,32	64262	86132	-17,32
WT 005	78070	-37,48	75274	-34,34	79021	-21,01	82740	-14,36	67054	90062	-14,36
WT 006	88946	-34,58	86063	-30,06	91348	-17,64	92812	-12,25	77843	102049	-12,25
WT 007	75574	-32,86	73322	-31,67	82247	-14,13	83513	-10,27	68241	87086	-10,27
Mean:	76606	-35,25	74950	-33,11	79789	-17,57	82261	-12,22	66939	88812	-12,22
SD:	6847	3,24	6363	3,62	6070	4,90	5872	3,14	6416	6729	3,14
T-Test											
Per1-/- 001	76332	-43,72	73059	-39,89	74926	-9,18	76050	-5,32	68187	80756	-5,32
Per1-/- 002	80228	-41,30	78363	-41,18	78679	-8,94	79492	-5,10	72660	85170	-5,10
Per1-/- 003	67956	-36,86	65064	-31,77	68195	-10,29	67969	-7,46	61004	72297	-7,46
Per1-/- 004	66695	-34,75	66511	-41,21	66895	-20,75	65774	-13,30	61695	71989	-13,30
Per1-/- 005	74062	-39,69	70218	-41,80	72312	-15,21	72971	-9,75	64866	80571	-9,75
Per1-/- 006	72536	-35,79	71629	-44,19	71364	-21,06	72432	-12,73	66389	78904	-12,73
Per1-/- 007	70369	-42,69	67743	-39,84	68474	-14,36	69056	-7,37	62801	76153	-7,37
Per1-/- 008	73583	-41,45	68740	-40,10	70675	-9,58	71753	-6,58	66005	75705	-6,58
Per1-/- 009	71985	-39,13	65550	-37,05	69263	-14,53	70183	-8,88	61677	75795	-8,88
Per1-/- 010	71217	-41,00	65892	-35,68	69933	-9,55	70032	-6,04	62492	75634	-6,04
Per1-/- 011	72571	-40,38	67164	-42,89	68350	-21,10	69329	-14,81	65214	74064	-14,81
Per1-/- 012	71816	-37,89	65693	-35,00	70549	-12,25	71349	-7,42	63245	74046	-7,42
Mean:	72446	-39,55	68802	-39,22	70801	-13,90	71449	-8,73	64686	76757	-8,73
SD:	3558	2,77	3946	3,63	3280	4,79	3530	3,26	3341	3894	3,26
T-Test: (WT versus Per1-/-)	n.s.	p ≤ 0.01	p ≤ 0.02	p ≤ 0.01	p ≤ 0.01	n.s.	p ≤ 0.0001	p ≤ 0.05	n.s.	p ≤ 0.0001	p ≤ 0.05

Table legend

Tables 1 to 3 show data from the automated analysis provided by AviSoft SASLabPro for USV parameters (start-, peak-, end- frequency, start-, peak-, end-amplitude, etc.). A mean value was calculated for each parameter of each individual mouse (Table 1 and 2 C3H-1-6; *Per1*-KO-01-16; Table 3 WT1-7; *Per1*<sup>-/-</sup>01-12). These mean values were then tested for Gaussian distribution (normality) with the Kolmogorov-Smirnov test with Lilliefors-modification. If the normality-test was passed we compared the genotypes by Student`s t-test, if not by an appropriate non-parametric test, e.g. Mann-Whitney U-test. All p-values are “given per comparison”.