

Table S2

A. Total Calls – PD7

Total Calls - PD7					
Tukey's multiple comparisons test	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	26.62	-250.9 to 304.1	No	ns	0.97
WT vs. KO	132.6	-131.8 to 397.0	No	ns	0.4379
HET vs. KO	106	-115.9 to 327.9	No	ns	0.485
Familiar					
WT vs. HET	-44.03	-214.3 to 126.3	No	ns	0.8068
WT vs. KO	63.35	-50.28 to 177.0	No	ns	0.3604
HET vs. KO	107.4	-43.99 to 258.7	No	ns	0.2081
Unfamiliar					
WT vs. HET	68.57	-65.83 to 203.0	No	ns	0.4322
WT vs. KO	42.71	-159.7 to 245.2	No	ns	0.8612
HET vs. KO	-25.86	-219.0 to 167.3	No	ns	0.9408
Social Interaction					
WT vs. HET	43	-71.58 to 157.6	No	ns	0.6232
WT vs. KO	40.56	-103.8 to 184.9	No	ns	0.7701
HET vs. KO	-2.441	-122.3 to 117.4	No	ns	0.9986
WT					
Novel vs. Familiar	405.4	123.6 to 687.1	Yes	**	0.0043
Novel vs. Unfamiliar	304.1	74.07 to 534.2	Yes	**	0.0083
Novel vs. Social Interaction	351	80.23 to 621.8	Yes	**	0.0096
Familiar vs. Unfamiliar	-101.3	-246.7 to 44.23	No	ns	0.2292
Familiar vs. Social Interaction	-54.38	-192.4 to 83.66	No	ns	0.6743
Unfamiliar vs. Social Interaction	46.88	-62.09 to 155.8	No	ns	0.6125
HET					
Novel vs. Familiar	334.7	108.6 to 560.8	Yes	**	0.0018
Novel vs. Unfamiliar	362.3	176.4 to 548.2	Yes	****	<0.0001
Novel vs. Social Interaction	374.4	197.2 to 551.5	Yes	****	<0.0001
Familiar vs. Unfamiliar	10.71	-166.2 to 187.6	No	ns	0.9984
Familiar vs. Social Interaction	34.31	-122.2 to 190.8	No	ns	0.9328
Unfamiliar vs. Social Interaction	20.13	-69.61 to 109.9	No	ns	0.9277
KO					
Novel vs. Familiar	334.1	187.4 to 480.8	Yes	****	<0.0001
Novel vs. Unfamiliar	204.4	32.38 to 376.3	Yes	*	0.0173
Novel vs. Social Interaction	265.8	102.4 to 429.1	Yes	**	0.0015
Familiar vs. Unfamiliar	-121.9	-319.1 to 75.37	No	ns	0.327
Familiar vs. Social Interaction	-82.94	-214.2 to 48.35	No	ns	0.3058
Unfamiliar vs. Social Interaction	35.41	-80.91 to 151.7	No	ns	0.8196

B. Total Calls – PD14

Total Calls - PD14					
Tukey's multiple comparisons test	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	19.73	-39.45 to 78.90	No	ns	0.6884
WT vs. KO	14.9	-53.00 to 82.81	No	ns	0.8522
HET vs. KO	-4.822	-58.83 to 49.19	No	ns	0.9738
Familiar					
WT vs. HET	68.39	-66.12 to 202.9	No	ns	0.4245
WT vs. KO	69.14	-81.13 to 219.4	No	ns	0.4984
HET vs. KO	0.75	-119.2 to 120.7	No	ns	0.9999
Unfamiliar					
WT vs. HET	52.67	-101.0 to 206.3	No	ns	0.6602
WT vs. KO	19.73	-150.2 to 189.6	No	ns	0.955
HET vs. KO	-32.93	-137.0 to 71.14	No	ns	0.714
Social Interaction					
WT vs. HET	-6.6	-114.7 to 101.5	No	ns	0.9871
WT vs. KO	-3.156	-133.4 to 127.0	No	ns	0.998
HET vs. KO	3.444	-100.5 to 107.4	No	ns	0.9963
WT					
Novel vs. Familiar	-186.1	-304.8 to -67.50	Yes	**	0.0024
Novel vs. Unfamiliar	-78.53	-224.5 to 67.46	No	ns	0.429
Novel vs. Social Interaction	-100.4	-189.9 to -10.92	Yes	*	0.0259
Familiar vs. Unfamiliar	99.69	-43.03 to 242.4	No	ns	0.2162
Familiar vs. Social Interaction	99.54	-65.43 to 264.5	No	ns	0.3236
Unfamiliar vs. Social Interaction	-24.29	-264.8 to 216.3	No	ns	0.9905
HET					
Novel vs. Familiar	-129.7	-218.2 to -41.29	Yes	**	0.0022
Novel vs. Unfamiliar	-51.64	-111.3 to 8.030	No	ns	0.1077
Novel vs. Social Interaction	-130.7	-195.1 to -66.37	Yes	****	<0.0001
Familiar vs. Unfamiliar	79.4	14.35 to 144.5	Yes	*	0.0122
Familiar vs. Social Interaction	5.4	-70.00 to 80.80	No	ns	0.9973
Unfamiliar vs. Social Interaction	-81.71	-144.7 to -18.72	Yes	**	0.0074
KO					
Novel vs. Familiar	-123.4	-223.5 to -23.28	Yes	*	0.0134
Novel vs. Unfamiliar	-79.44	-179.4 to 20.49	No	ns	0.1472
Novel vs. Social Interaction	-123.7	-230.0 to -17.30	Yes	*	0.0198
Familiar vs. Unfamiliar	38.71	-72.32 to 149.7	No	ns	0.753
Familiar vs. Social Interaction	2.706	-131.1 to 136.5	No	ns	>0.9999
Unfamiliar vs. Social Interaction	-44.22	-123.8 to 35.38	No	ns	0.4157

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C. Proportion 40 kHz – PD7

Proportion of 40 kHz Calls - PD7					
Tukey's multiple comparisons	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	-0.1023	0.2590 to 0.05449	No	ns	0.2481
WT vs. KO	-0.09042	0.2565 to 0.07567	No	ns	0.3776
HET vs. KO	0.01184	0.08706 to 0.1107	No	ns	0.9533
Familiar					
WT vs. HET	-0.08881	0.2706 to 0.09300	No	ns	0.4385
WT vs. KO	-0.0155	0.2533 to 0.2223	No	ns	0.9859
HET vs. KO	0.07331	0.1038 to 0.2504	No	ns	0.5544
Unfamiliar					
WT vs. HET	-0.02493	0.1207 to 0.07080	No	ns	0.7921
WT vs. KO	0.00292	0.1227 to 0.1286	No	ns	0.9982
HET vs. KO	0.02785	0.07557 to 0.1313	No	ns	0.7798
Social Interaction					
WT vs. HET	-0.05148	0.2570 to 0.1540	No	ns	0.806
WT vs. KO	-0.07531	0.2788 to 0.1282	No	ns	0.626
HET vs. KO	-0.02383	0.1426 to 0.09499	No	ns	0.8778
WT					
Novel vs. Familiar	-0.04665	0.2655 to 0.1722	No	ns	0.9259
Novel vs. Unfamiliar	-0.09025	0.2653 to 0.08483	No	ns	0.4696
Novel vs. Social Interaction	0.01911	0.2684 to 0.3066	No	ns	0.9974
Familiar vs. Unfamiliar	-0.0436	0.2672 to 0.1800	No	ns	0.9418
Familiar vs. Social Interaction	0.06576	0.2175 to 0.3490	No	ns	0.9071
Unfamiliar vs. Social Interaction	0.1094	0.1196 to 0.3383	No	ns	0.5318
HET					
Novel vs. Familiar	-0.03132	0.1150 to 0.05234	No	ns	0.7403
Novel vs. Unfamiliar	-0.0176	0.09729 to 0.06209	No	ns	0.9307
Novel vs. Social Interaction	0.07359	0.03845 to 0.1856	No	ns	0.2976
Familiar vs. Unfamiliar	0.01889	0.02905 to 0.06684	No	ns	0.7068
Familiar vs. Social Interaction	0.1137	0.01189 to 0.2155	Yes	*	0.0243
Unfamiliar vs. Social Interaction	0.07904	0.03663 to 0.1947	No	ns	0.2633
KO					
Novel vs. Familiar	0.03536	0.1853 to 0.2560	No	ns	0.967
Novel vs. Unfamiliar	-0.00088	0.1685 to 0.1668	No	ns	>0.9999
Novel vs. Social Interaction	0.03877	0.1358 to 0.2134	No	ns	0.9174
Familiar vs. Unfamiliar	-0.03226	0.2593 to 0.1948	No	ns	0.9765
Familiar vs. Social Interaction	0.000897	0.2148 to 0.2166	No	ns	>0.9999
Unfamiliar vs. Social Interaction	0.02477	0.1431 to 0.1926	No	ns	0.9732

D. Proportion 40 kHz – PD14

Proportion of 40 kHz Calls - PD14					
Tukey's multiple comparisons	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	0.1019	0.1121 to 0.3158	No	ns	0.4774
WT vs. KO	0.07995	0.1675 to 0.3274	No	ns	0.7092
HET vs. KO	-0.02193	0.2368 to 0.1929	No	ns	0.9661
Familiar					
WT vs. HET	0.0683	0.1054 to 0.2420	No	ns	0.6031
WT vs. KO	0.04645	0.1573 to 0.2502	No	ns	0.8406
HET vs. KO	-0.02185	0.2130 to 0.1693	No	ns	0.9576
Unfamiliar					
WT vs. HET	0.08787	0.08095 to 0.2567	No	ns	0.417
WT vs. KO	0.1058	0.1214 to 0.3331	No	ns	0.4922
HET vs. KO	0.01794	0.1973 to 0.2332	No	ns	0.9769
Social Interaction					
WT vs. HET	0.07142	0.06464 to 0.2075	No	ns	0.4069
WT vs. KO	0.08051	0.09014 to 0.2512	No	ns	0.4839
HET vs. KO	0.009086	0.1448 to 0.1629	No	ns	0.9884
WT					
Novel vs. Familiar	-0.1074	0.3081 to 0.09336	No	ns	0.4275
Novel vs. Unfamiliar	-0.102	0.2789 to 0.07495	No	ns	0.3719
Novel vs. Social Interaction	-0.1597	0.3389 to 0.01963	No	ns	0.0879
Familiar vs. Unfamiliar	0.02142	0.1435 to 0.1864	No	ns	0.9796
Familiar vs. Social Interaction	-0.04749	0.2417 to 0.1467	No	ns	0.8806
Unfamiliar vs. Social Interaction	-0.00169	0.1499 to 0.1465	No	ns	>0.9999
HET					
Novel vs. Familiar	-0.1111	0.2650 to 0.04274	No	ns	0.2226
Novel vs. Unfamiliar	-0.1438	0.2895 to 0.001975	No	ns	0.0542
Novel vs. Social Interaction	-0.1879	0.3249 to -0.05099	Yes	**	0.0045
Familiar vs. Unfamiliar	0.01694	0.1107 to 0.1446	No	ns	0.9833
Familiar vs. Social Interaction	-0.05008	0.1636 to 0.0634	No	ns	0.6309
Unfamiliar vs. Social Interaction	-0.05575	0.1617 to 0.0501	No	ns	0.4829
KO					
Novel vs. Familiar	-0.0862	0.2335 to 0.0611	No	ns	0.3684
Novel vs. Unfamiliar	-0.09155	0.2291 to 0.0459	No	ns	0.2678
Novel vs. Social Interaction	-0.1271	0.2550 to 0.0008	No	ns	0.0518
Familiar vs. Unfamiliar	-0.02883	0.1385 to 0.0808	No	ns	0.8746
Familiar vs. Social Interaction	-0.0206	0.1241 to 0.0829	No	ns	0.9398
Unfamiliar vs. Social Interaction	-0.03557	0.1947 to 0.1235	No	ns	0.9191

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E. Entropy – PD7

Average Entropy 40 kHz Calls - PD7					
Tukey's multiple comparisons test	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	-0.09818	-0.2667 to 0.07035	No	ns	0.3375
WT vs. KO	-0.0686	-0.2524 to 0.1151	No	ns	0.6324
HET vs. KO	0.02958	-0.1320 to 0.1911	No	ns	0.8959
Familiar					
WT vs. HET	-0.06536	-0.4088 to 0.2781	No	ns	0.8864
WT vs. KO	-0.1154	-0.4732 to 0.2423	No	ns	0.7076
HET vs. KO	-0.05005	-0.3590 to 0.2589	No	ns	0.9179
Unfamiliar					
WT vs. HET	0.02511	-0.2979 to 0.3481	No	ns	0.9788
WT vs. KO	-0.03438	-0.3911 to 0.3224	No	ns	0.969
HET vs. KO	-0.05949	-0.2846 to 0.1656	No	ns	0.7898
Social Interaction					
WT vs. HET	-0.1222	-0.3379 to 0.09341	No	ns	0.3593
WT vs. KO	-0.222	-0.4585 to 0.01443	No	ns	0.069
HET vs. KO	-0.09979	-0.3309 to 0.1313	No	ns	0.5477
WT					
Novel vs. Familiar	-0.2185	-0.4408 to 0.003916	No	ns	0.0549
Novel vs. Unfamiliar	-0.1653	-0.4916 to 0.1610	No	ns	0.4839
Novel vs. Social Interaction	-0.1976	-0.4197 to 0.02445	No	ns	0.0889
Familiar vs. Unfamiliar	0.1568	-0.04459 to 0.3581	No	ns	0.1544
Familiar vs. Social Interaction	0.09639	-0.2285 to 0.4212	No	ns	0.8196
Unfamiliar vs. Social Interaction	-0.006646	-0.3203 to 0.3070	No	ns	>0.9999
HET					
Novel vs. Familiar	-0.2074	-0.4279 to 0.01311	No	ns	0.0711
Novel vs. Unfamiliar	-0.04924	-0.2299 to 0.1314	No	ns	0.879
Novel vs. Social Interaction	-0.2355	-0.4179 to -0.05303	Yes	**	0.0076
Familiar vs. Unfamiliar	0.1421	-0.09248 to 0.3768	No	ns	0.3661
Familiar vs. Social Interaction	-0.04506	-0.3229 to 0.2328	No	ns	0.9703
Unfamiliar vs. Social Interaction	-0.1533	-0.3431 to 0.03647	No	ns	0.1454
KO					
Novel vs. Familiar	-0.2718	-0.5664 to 0.02282	No	ns	0.0756
Novel vs. Unfamiliar	-0.1289	-0.3676 to 0.1098	No	ns	0.4311
Novel vs. Social Interaction	-0.3491	-0.5527 to -0.1455	Yes	***	0.0009
Familiar vs. Unfamiliar	0.1946	-0.07900 to 0.4683	No	ns	0.214
Familiar vs. Social Interaction	-0.01694	-0.3086 to 0.2748	No	ns	0.9983
Unfamiliar vs. Social Interaction	-0.1725	-0.3563 to 0.01142	No	ns	0.0697

F. Entropy – PD14

Average Entropy 40 kHz Calls - PD14					
Tukey's multiple comparisons test	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	-0.09317	-0.3240 to 0.1376	No	ns	0.5929
WT vs. KO	0.01206	-0.2453 to 0.2694	No	ns	0.9926
HET vs. KO	0.1052	-0.1854 to 0.3958	No	ns	0.6547
Familiar					
WT vs. HET	-0.08112	-0.2501 to 0.08781	No	ns	0.461
WT vs. KO	-0.008385	-0.2283 to 0.2115	No	ns	0.9951
HET vs. KO	0.07274	-0.1135 to 0.2590	No	ns	0.5988
Unfamiliar					
WT vs. HET	0.01261	-0.1892 to 0.2144	No	ns	0.9869
WT vs. KO	-0.01311	-0.2405 to 0.2143	No	ns	0.9889
HET vs. KO	-0.02572	-0.2168 to 0.1654	No	ns	0.9416
Social Interaction					
WT vs. HET	0.06957	-0.2675 to 0.4066	No	ns	0.8637
WT vs. KO	0.2493	-0.09287 to 0.5916	No	ns	0.1837
HET vs. KO	0.1798	-0.06359 to 0.4231	No	ns	0.1837
WT					
Novel vs. Familiar	0.1161	-0.07520 to 0.3074	No	ns	0.3191
Novel vs. Unfamiliar	0.08748	-0.1047 to 0.2797	No	ns	0.5578
Novel vs. Social Interaction	-0.2349	-0.6169 to 0.1471	No	ns	0.3088
Familiar vs. Unfamiliar	-0.05605	-0.3090 to 0.1969	No	ns	0.9107
Familiar vs. Social Interaction	-0.3638	-0.7081 to -0.01943	Yes	*	0.0377
Unfamiliar vs. Social Interaction	-0.2171	-0.5397 to 0.1055	No	ns	0.2418
HET					
Novel vs. Familiar	0.116	-0.1503 to 0.3822	No	ns	0.6355
Novel vs. Unfamiliar	0.1379	-0.1190 to 0.3948	No	ns	0.4659
Novel vs. Social Interaction	-0.1116	-0.4447 to 0.2214	No	ns	0.7958
Familiar vs. Unfamiliar	0.04877	-0.09046 to 0.1880	No	ns	0.7724
Familiar vs. Social Interaction	-0.2141	-0.3987 to -0.02962	Yes	*	0.0182
Unfamiliar vs. Social Interaction	-0.2451	-0.4822 to -0.007972	Yes	*	0.0409
KO					
Novel vs. Familiar	0.07906	-0.1324 to 0.2905	No	ns	0.7123
Novel vs. Unfamiliar	0.02532	-0.2090 to 0.2596	No	ns	0.9894
Novel vs. Social Interaction	-0.02123	-0.2504 to 0.2080	No	ns	0.9934
Familiar vs. Unfamiliar	-0.05374	-0.2102 to 0.1027	No	ns	0.761
Familiar vs. Social Interaction	-0.1047	-0.2542 to 0.04472	No	ns	0.227
Unfamiliar vs. Social Interaction	-0.05101	-0.2483 to 0.1463	No	ns	0.8796

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G. Duration – PD7

Median Duration 40 kHz Calls - PD7					
Tukey's multiple comparisons test	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	-0.002736	-0.02173 to 0.01626	No	ns	0.9323
WT vs. KO	-0.006805	-0.03005 to 0.01644	No	ns	0.7533
HET vs. KO	-0.004069	-0.02383 to 0.01570	No	ns	0.8672
Familiar					
WT vs. HET	0.01276	-0.005147 to 0.03066	No	ns	0.2014
WT vs. KO	0.00668	-0.01212 to 0.02548	No	ns	0.6582
HET vs. KO	-0.006077	-0.02209 to 0.009940	No	ns	0.6281
Unfamiliar					
WT vs. HET	0.002268	-0.01074 to 0.01527	No	ns	0.9042
WT vs. KO	-0.0005101	-0.01655 to 0.01553	No	ns	0.9966
HET vs. KO	-0.002778	-0.01750 to 0.01194	No	ns	0.8878
Social Interaction					
WT vs. HET	0.00167	-0.01847 to 0.02181	No	ns	0.9772
WT vs. KO	0.008126	-0.01255 to 0.02880	No	ns	0.5995
HET vs. KO	0.006456	-0.01073 to 0.02364	No	ns	0.6341
WT					
Novel vs. Familiar	0.001058	-0.02476 to 0.02688	No	ns	0.9994
Novel vs. Unfamiliar	0.001024	-0.02115 to 0.02319	No	ns	0.9991
Novel vs. Social Interaction	3.41E-05	-0.02201 to 0.02208	No	ns	>0.9999
Familiar vs. Unfamiliar	-0.001604	-0.01601 to 0.01280	No	ns	0.9878
Familiar vs. Social Interaction	-0.001646	-0.02038 to 0.01708	No	ns	0.9937
Unfamiliar vs. Social Interaction	-0.0008875	-0.01509 to 0.01331	No	ns	0.9978
HET					
Novel vs. Familiar	0.01633	0.003819 to 0.02885	Yes	**	0.0067
Novel vs. Unfamiliar	0.005803	-0.008928 to 0.02053	No	ns	0.7082
Novel vs. Social Interaction	0.003743	-0.007215 to 0.01470	No	ns	0.7877
Familiar vs. Unfamiliar	-0.009163	-0.02302 to 0.004689	No	ns	0.2917
Familiar vs. Social Interaction	-0.01048	-0.02888 to 0.007920	No	ns	0.4183
Unfamiliar vs. Social Interaction	-0.004324	-0.01860 to 0.009951	No	ns	0.8393
KO					
Novel vs. Familiar	0.01171	-0.01431 to 0.03774	No	ns	0.5786
Novel vs. Unfamiliar	0.007232	-0.01596 to 0.03042	No	ns	0.8056
Novel vs. Social Interaction	0.01504	-0.01186 to 0.04194	No	ns	0.4019
Familiar vs. Unfamiliar	-0.007808	-0.02454 to 0.008924	No	ns	0.5504
Familiar vs. Social Interaction	-0.00064	-0.01771 to 0.01643	No	ns	0.9995
Unfamiliar vs. Social Interaction	0.007808	-0.004545 to 0.02016	No	ns	0.3018

H. Duration – PD14

Median Duration 40 kHz Calls - PD14					
Tukey's multiple comparisons test	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	0.007419	-0.02009 to 0.03493	No	ns	0.7816
WT vs. KO	-0.001781	-0.04959 to 0.04602	No	ns	0.9953
HET vs. KO	-0.009199	-0.05393 to 0.03553	No	ns	0.8633
Familiar					
WT vs. HET	0.001868	-0.02092 to 0.02465	No	ns	0.9763
WT vs. KO	0.001736	-0.02819 to 0.03166	No	ns	0.9888
HET vs. KO	-0.0001315	-0.02458 to 0.02431	No	ns	0.9999
Unfamiliar					
WT vs. HET	-0.0004742	-0.02857 to 0.02762	No	ns	0.999
WT vs. KO	-0.006236	-0.03679 to 0.02432	No	ns	0.8695
HET vs. KO	-0.005762	-0.02993 to 0.01841	No	ns	0.8293
Social Interaction					
WT vs. HET	0.00745	-0.03108 to 0.04598	No	ns	0.8748
WT vs. KO	-0.00343	-0.04424 to 0.03738	No	ns	0.9757
HET vs. KO	-0.01088	-0.03574 to 0.01398	No	ns	0.5366
WT					
Novel vs. Familiar	0.001969	-0.03350 to 0.03744	No	ns	0.9983
Novel vs. Unfamiliar	0.000768	-0.03315 to 0.03469	No	ns	0.9999
Novel vs. Social Interaction	-0.0004726	-0.04532 to 0.04438	No	ns	>0.9999
Familiar vs. Unfamiliar	-0.003505	-0.02076 to 0.01375	No	ns	0.9291
Familiar vs. Social Interaction	0.0008533	-0.01955 to 0.02126	No	ns	0.9992
Unfamiliar vs. Social Interaction	-7.88E-05	-0.02458 to 0.02442	No	ns	>0.9999
HET					
Novel vs. Familiar	-0.0009671	-0.02250 to 0.02056	No	ns	0.9993
Novel vs. Unfamiliar	-0.00642	-0.02831 to 0.01548	No	ns	0.8508
Novel vs. Social Interaction	0.001061	-0.02461 to 0.02674	No	ns	0.9995
Familiar vs. Unfamiliar	-0.007358	-0.02301 to 0.008299	No	ns	0.5778
Familiar vs. Social Interaction	0.002895	-0.01280 to 0.01859	No	ns	0.9575
Unfamiliar vs. Social Interaction	0.01071	-0.01083 to 0.03226	No	ns	0.532
KO					
Novel vs. Familiar	0.01108	-0.04320 to 0.06537	No	ns	0.9354
Novel vs. Unfamiliar	-0.003162	-0.05498 to 0.04865	No	ns	0.998
Novel vs. Social Interaction	0.00165	-0.05393 to 0.05723	No	ns	0.9998
Familiar vs. Unfamiliar	-0.01425	-0.03944 to 0.01095	No	ns	0.3971
Familiar vs. Social Interaction	-0.008885	-0.02634 to 0.008568	No	ns	0.4847
Unfamiliar vs. Social Interaction	0.005361	-0.02067 to 0.03139	No	ns	0.9339

Table S2

I. Frequency – PD7

Peak Frequency 40 kHz Calls - PD7					
Tukey's multiple comparisons test	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	-0.0008441	-2.474 to 2.473	No	ns	>0.9999
WT vs. KO	0.2266	-2.676 to 3.129	No	ns	0.9799
HET vs. KO	0.2274	-2.145 to 2.600	No	ns	0.9696
Familiar					
WT vs. HET	-0.7994	-3.614 to 2.015	No	ns	0.7657
WT vs. KO	-1.573	-4.487 to 1.342	No	ns	0.3885
HET vs. KO	-0.7731	-3.293 to 1.746	No	ns	0.7371
Unfamiliar					
WT vs. HET	-0.8186	-3.356 to 1.719	No	ns	0.7063
WT vs. KO	-1.734	-4.513 to 1.046	No	ns	0.2879
HET vs. KO	-0.9152	-3.129 to 1.298	No	ns	0.5734
Social Interaction					
WT vs. HET	0.5363	-1.762 to 2.835	No	ns	0.8348
WT vs. KO	0.4811	-1.883 to 2.845	No	ns	0.8704
HET vs. KO	-0.05525	-2.126 to 2.016	No	ns	0.9977
WT					
Novel vs. Familiar	0.5587	-2.004 to 3.121	No	ns	0.9194
Novel vs. Unfamiliar	0.1784	-2.353 to 2.710	No	ns	0.9969
Novel vs. Social Interaction	0.6946	-2.161 to 3.550	No	ns	0.8927
Familiar vs. Unfamiliar	-0.9746	-3.813 to 1.863	No	ns	0.7529
Familiar vs. Social Interaction	-0.1475	-3.291 to 2.996	No	ns	0.999
Unfamiliar vs. Social Interaction	0.4301	-1.974 to 2.834	No	ns	0.9529
HET					
Novel vs. Familiar	-0.2046	-2.724 to 2.315	No	ns	0.9961
Novel vs. Unfamiliar	-0.5176	-1.966 to 0.9310	No	ns	0.7654
Novel vs. Social Interaction	1.096	-0.3823 to 2.574	No	ns	0.2034
Familiar vs. Unfamiliar	-0.5169	-3.198 to 2.164	No	ns	0.952
Familiar vs. Social Interaction	1.523	-1.467 to 4.512	No	ns	0.514
Unfamiliar vs. Social Interaction	2.011	0.8260 to 3.195	Yes	***	0.0005
KO					
Novel vs. Familiar	-0.9761	-3.606 to 1.654	No	ns	0.7124
Novel vs. Unfamiliar	-1.669	-3.705 to 0.3672	No	ns	0.1279
Novel vs. Social Interaction	1.244	-0.6395 to 3.128	No	ns	0.2677
Familiar vs. Unfamiliar	-0.624	-3.792 to 2.544	No	ns	0.9401
Familiar vs. Social Interaction	2.411	-0.3461 to 5.169	No	ns	0.097
Unfamiliar vs. Social Interaction	2.466	0.1060 to 4.826	Yes	*	0.0391

J. Frequency – PD14

Peak Frequency 40 kHz Calls - PD14					
Tukey's multiple comparisons test	Mean diff.	95.00% CI of diff.	Below threshold?	Summary	Adjusted P Value
Novel					
WT vs. HET	-1.647	-4.222 to 0.9268	No	ns	0.2699
WT vs. KO	-0.2726	-2.956 to 2.410	No	ns	0.9659
HET vs. KO	1.375	-0.8679 to 3.618	No	ns	0.3053
Familiar					
WT vs. HET	-1.014	-4.032 to 2.004	No	ns	0.6777
WT vs. KO	0.2763	-3.281 to 3.833	No	ns	0.9799
HET vs. KO	1.29	-1.487 to 4.068	No	ns	0.491
Unfamiliar					
WT vs. HET	-1.31	-3.829 to 1.208	No	ns	0.4127
WT vs. KO	0.573	-2.529 to 3.675	No	ns	0.8924
HET vs. KO	1.883	-0.8282 to 4.595	No	ns	0.216
Social Interaction					
WT vs. HET	-1.502	-4.292 to 1.287	No	ns	0.3833
WT vs. KO	-1.26	-4.276 to 1.755	No	ns	0.5603
HET vs. KO	0.2418	-2.071 to 2.555	No	ns	0.9647
WT					
Novel vs. Familiar	-1.551	-4.997 to 1.895	No	ns	0.559
Novel vs. Unfamiliar	-1.286	-4.356 to 1.785	No	ns	0.6204
Novel vs. Social Interaction	3.355	-1.096 to 7.806	No	ns	0.1682
Familiar vs. Unfamiliar	0.868	-1.100 to 2.836	No	ns	0.5746
Familiar vs. Social Interaction	5.556	2.200 to 8.913	Yes	**	0.002
Unfamiliar vs. Social Interaction	4.472	1.886 to 7.057	Yes	**	0.0012
HET					
Novel vs. Familiar	-1.288	-3.653 to 1.078	No	ns	0.4559
Novel vs. Unfamiliar	-0.5146	-3.065 to 2.035	No	ns	0.9443
Novel vs. Social Interaction	3.817	1.575 to 6.060	Yes	***	0.0004
Familiar vs. Unfamiliar	0.7895	-0.7999 to 2.379	No	ns	0.533
Familiar vs. Social Interaction	5.127	3.350 to 6.904	Yes	****	<0.0001
Unfamiliar vs. Social Interaction	4.725	3.179 to 6.272	Yes	****	<0.0001
KO					
Novel vs. Familiar	-1.282	-3.665 to 1.101	No	ns	0.4384
Novel vs. Unfamiliar	0.002806	-2.985 to 2.991	No	ns	>0.9999
Novel vs. Social Interaction	2.51	-0.1389 to 5.159	No	ns	0.0667
Familiar vs. Unfamiliar	1.285	-1.229 to 3.799	No	ns	0.4812
Familiar vs. Social Interaction	3.937	1.592 to 6.282	Yes	**	0.001
Unfamiliar vs. Social Interaction	2.652	0.02806 to 5.276	Yes	*	0.0471