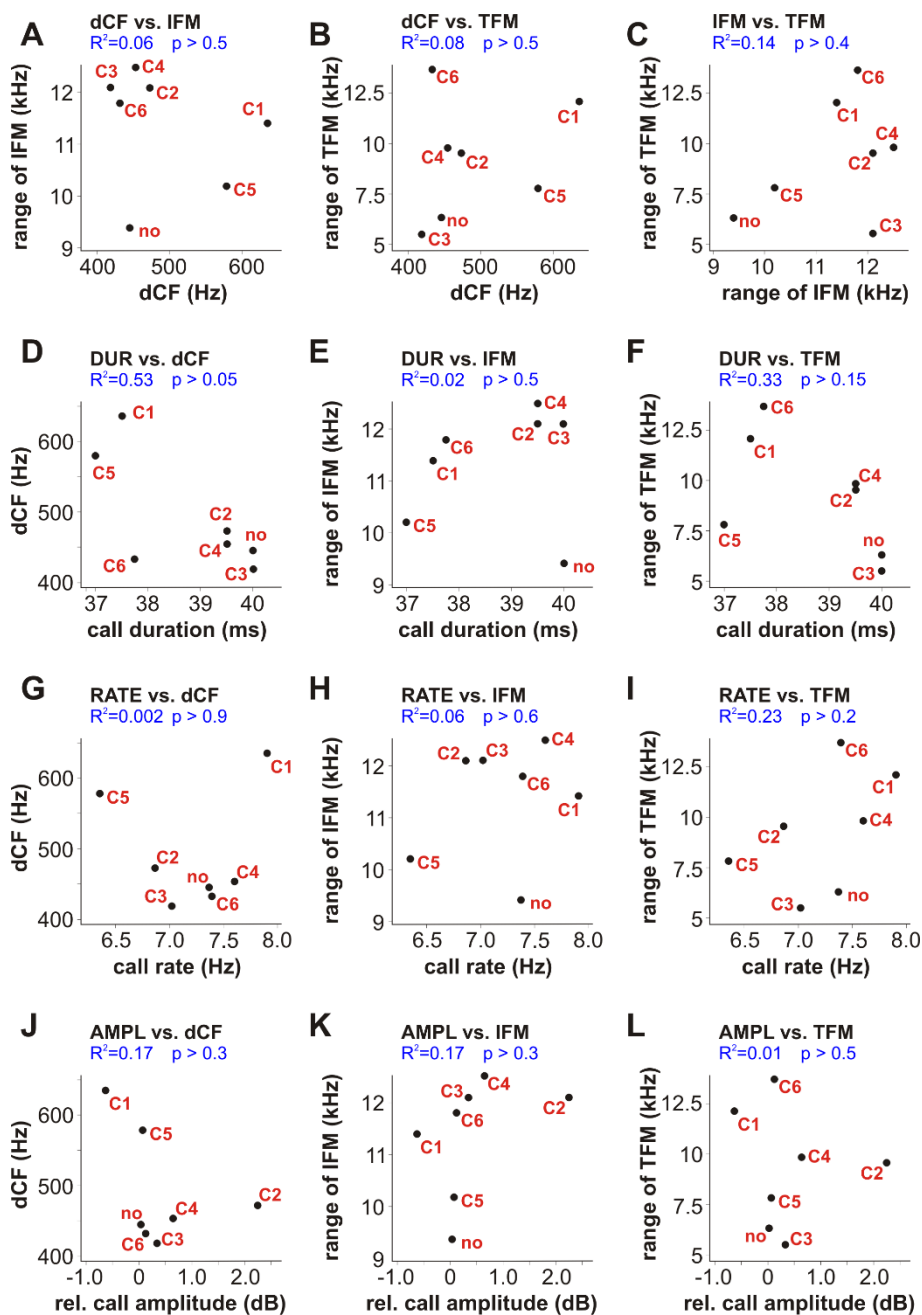## Supplementary Figure 1

Distribution of medians of dCF bandwidth, range of FM components, call duration, rate and relative call amplitude during the different BFN conditions and the control (no BFN; "no"). Distribution of medians of (**A**) dCF and IFM, (**B**) dCF and TFM, (**C**) IFM and TFM, (**D**) call duration (DUR) and dCF, (**E**) DUR and IFM, (**F**) DUR and TFM, (**G**) call rate (RATE) and dCF, (**H**) RATE and IFM, (I) RATE and TFM, (**J**) relative call amplitude (AMPL) and dCF, (**K**) AMPL and IFM and (**L**) AMPL and TFM. There are no significant correlations between any call components in response to BFN (Pearson's correlation).

Supplementary Figure 2
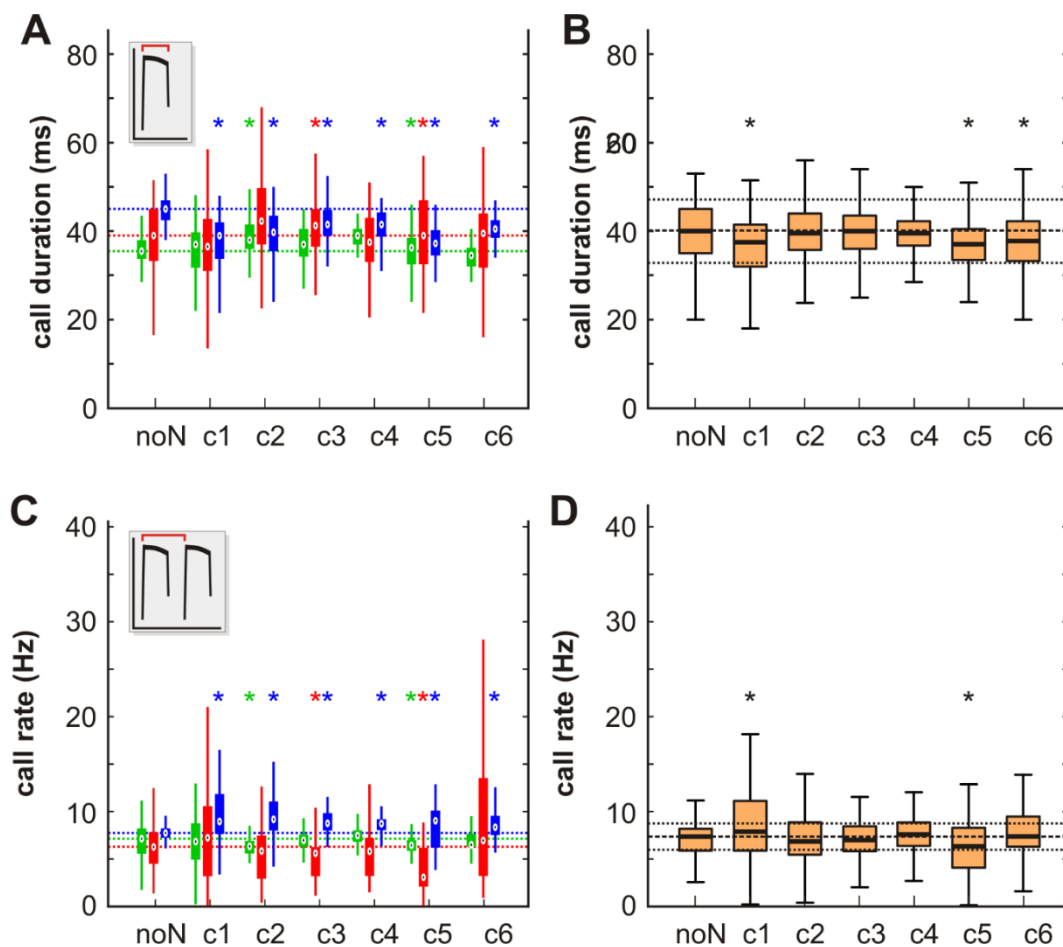
Distribution of call duration and rate in response to different BFN conditions and the control (noN). A Distribution of call duration for all 3 bats (green: bat#1, red: bat#2, blue: bat#3) and **B** averaged for all three bats. **C** Distribution of call rate for all 3 bats (green: bat#1, red: bat#2, blue: bat#3) and **D** averaged for all three bats. Medians: white dots (A and C) and horizontal bars (B and D) inside boxes; 1st and 3rd quartile: upper and lower margins of boxes, respectively; 5 % and 95 %: end of vertical bar (A and C) and small vertical bars (B and D) above and below boxes, respectively.

Table S1. Kruskal-Wallis-test results across all BFN conditions for the medians of dCF, IFM, TFM, duration (DUR) and rate (RATE). Results are given for every single bat and pooled for all three bats (df = 6 and p < 0.001 for all performed tests).

data set	χ^2	sample size
dCF – bat #1	51.7	137
dCF – bat #2	57.4	140
dCF – bat #3	40.3	146
dCF – pooled data	85.1	423
IFM – bat #1	50.0	854
IFM – bat #2	411.1	813
IFM – bat #3	58.1	767
IFM – pooled data	134.5	2434
TFM – bat #1	168.0	854
TFM – bat #2	434.4	813
TFM – bat #3	241.3	767
TFM – pooled data	601.3	2434
DUR – bat #1	94.8	700
DUR – bat #2	27.4	700
DUR – bat #3	132.7	700
DUR – pooled data	74.6	2100
RATE – bat #1	57.9	700
RATE – bat #2	61.0	700
RATE – bat #3	58.0	700
RATE – pooled data	62.2	2100