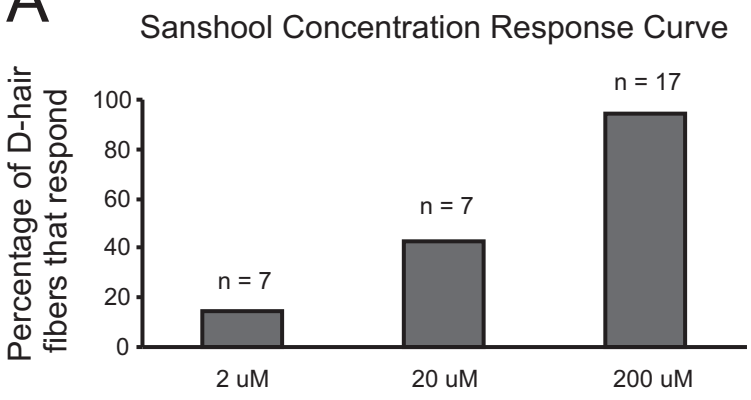
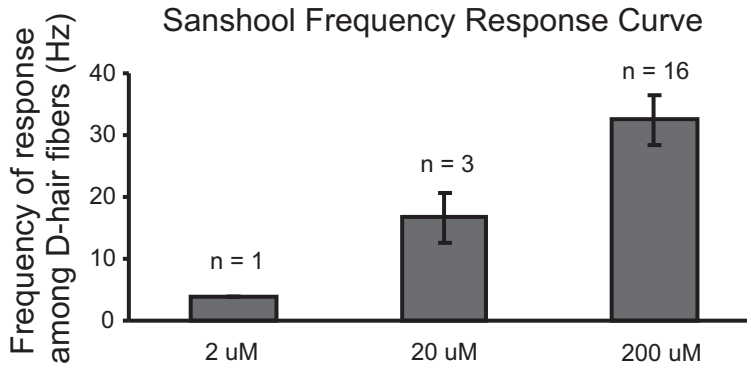
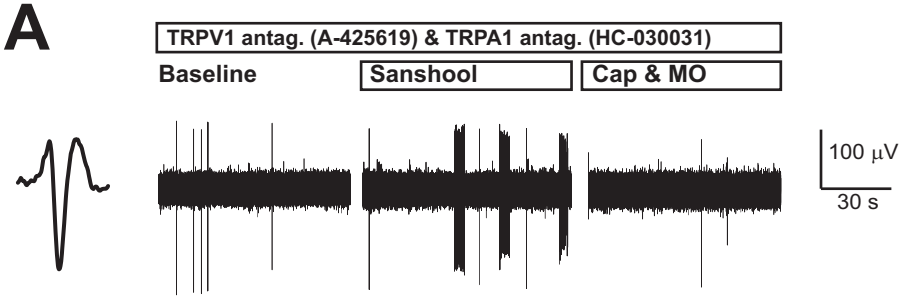
A



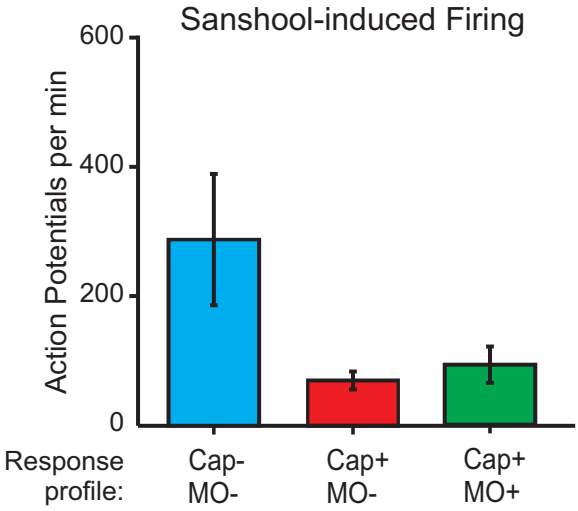
B



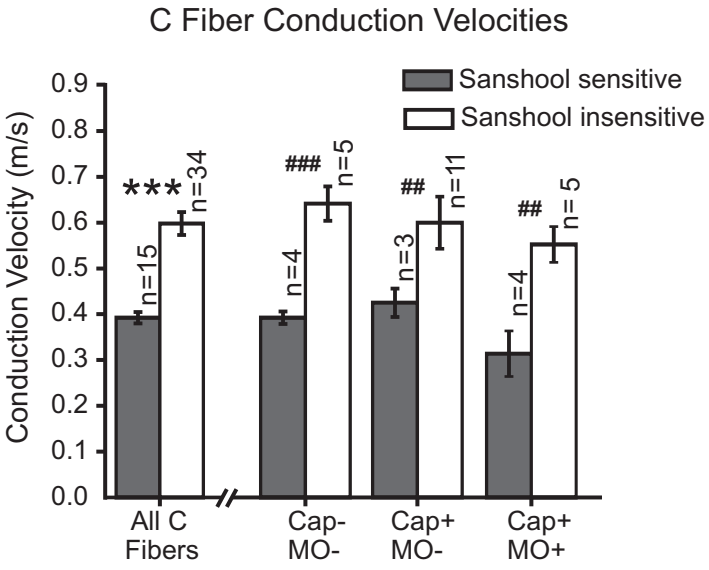
Supplemental Figure 1



Supplemental Figure 2



Supplemental Figure 3


C Fiber Conduction Velocities
Sanshool sensitive
Sanshool insensitive
Conduction Velocity (m/s)
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
***
n=15
n=34
###
n=4
n=5
##
n=3
n=11
##
n=4
n= 5
All C Fibers
Cap- MO-
Cap+ MO-
Cap+ MO+

Fiber Type	Sanshool Sensitivity	n	Median Von Frey Threshold (mN)	1rst Quartile	3rd Quartile	Mean Electric Threshold (mA)	± SEM	Mean Conduction Velocity (m/s)	± SEM
Aβ RA	sensitive	8	1.65	1.63	2.25	2.4	0.2	12.5	1.1
	insensitive	11	1.65	0.66	4.00	2.2	0.1	13.6	1.2
Aβ SA	sensitive	7	1.63	1.15	2.82	2.08	0.06	12.6	0.8
	insensitive	12	0.66	0.66	1.63	2.08	0.08	12.1	0.4
D-hair	sensitive	22	0.27	0.22	0.27	2.19	0.09	4.8	0.5
	insensitive	1	0.22	--	--	2.31	--	8.1	--
AM	sensitive	0	--	--	--	--	--	--	--
	insensitive	30	6.80	4.0	10.5	1.92	.04	5.2	0.5
C fiber	sensitive	15	4.00	1.66	14.6	2.22	0.08	0.38	0.02
	insensitive	34	6.80	4.00	11.7	2.22	0.08	0.59	0.04

	Sanshool (200 μM)	n	Capsaicin (1 μM)	n	Mustard Oil (1 mM)	n
Sensitive	0.38 ± 0.02 m/s **	15	0.53 ± 0.04 m/s	28	0.47 ± 0.04 m/s	15
Insensitive	0.59 ± 0.04 m/s	34	0.52 ± 0.05 m/s	21	0.55 ± 0.04 m/s	34