

Supplementary Table 1. Summary of monkeys used in this study and the experimental procedures applied to each monkey. L: left hemisphere, R: right hemisphere. F: female, M: male. Data from the left hemisphere of monkey Y with cOFC injection were not included due to the leakage of virus tracer to other cortical regions.

Monkey name (sex)	Stimulation during ApAv	Recording during ApAv	fMRI with stimulation	Virus injection (total amount)
Monkey S (F)	L & R pACC	R pACC	No	AAVDJ-CMV-hrGFP in LpACC (0.9 μ l)
Monkey P (F)	LpACC, and LcOFC	LpACC, and LcOFC	No	No
Monkey A (F)	No	No	No	AAVDJ-CMV-hrGFP in RpACC (1.5 μ l) AAVDJ-CMV-mCherry in RcOFC (1 μ l)
Monkey Y (F)	RpACC, and L & R cOFC	No	No	AAVDJ-CMV-mCherry in RpACC (2 μ l) *AAVDJ-CMV-hrGFP in LcOFC (1.4 μ l) *Data not included
Monkey N (M)	No	No	RpACC, and RcOFC	AAVDJ-CMV-mCherry in RpACC (1 μ l) AAVDJ-CMV-hrGFP in RcOFC (0.9 μ l)
Monkey I (M)	No	No	No	AAVDJ-CMV-mCherry in LvCMA (1.4 μ l)