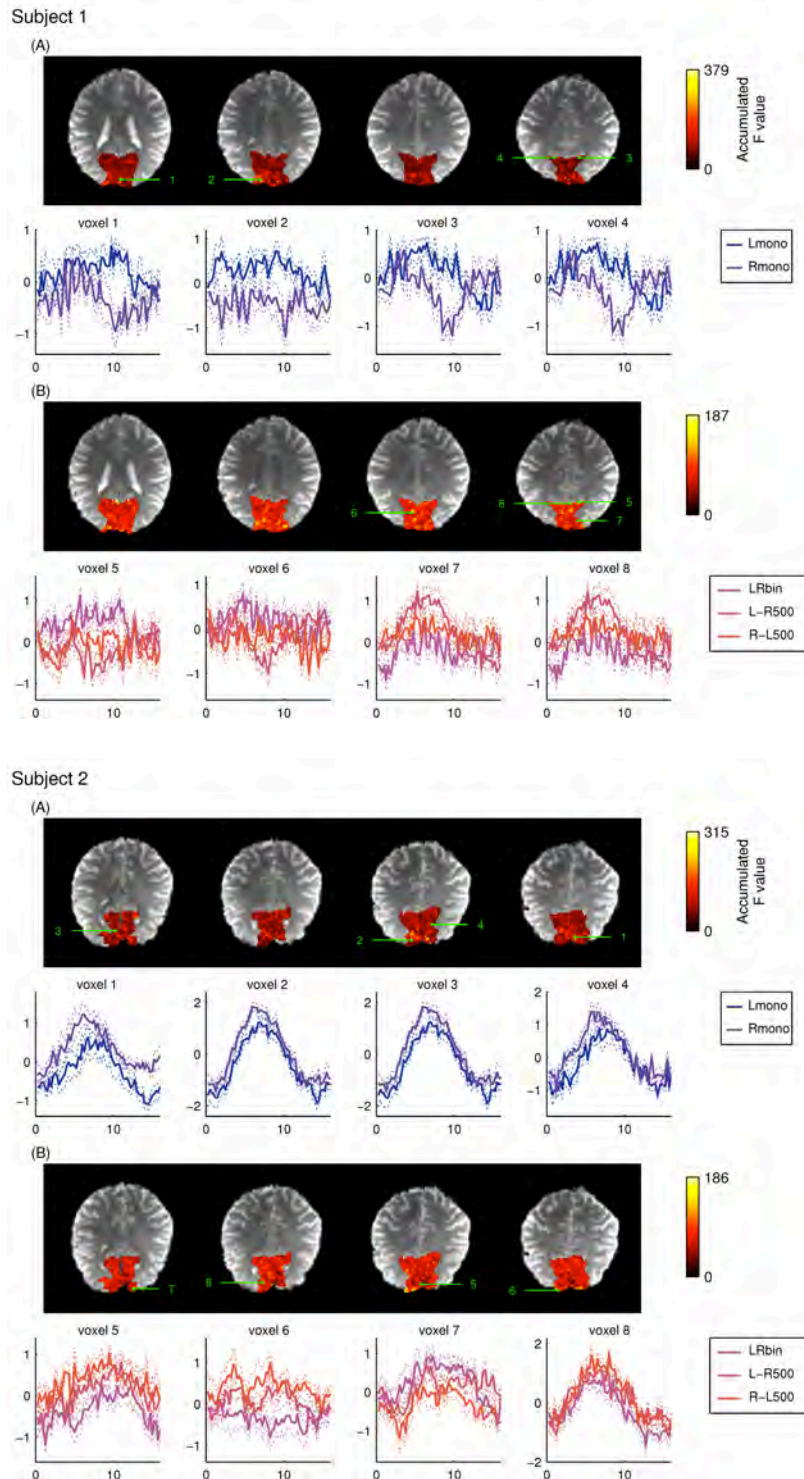
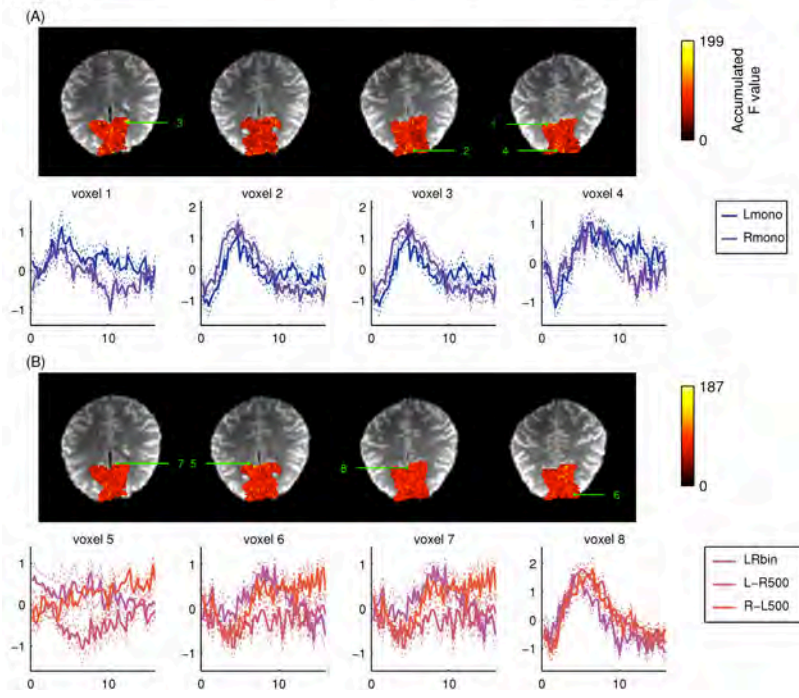


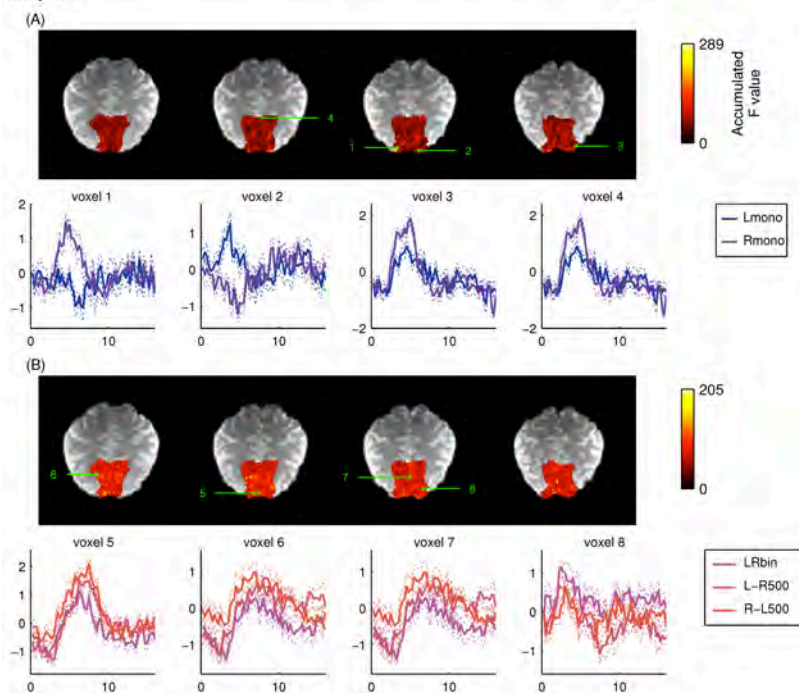
Supplementary Fig. S1 (pp. 1-8): Maps of accumulated F values across all time points of event-related response for the main effect of $Lmono$ and $Rmono$ (A), $LRbin$, $L-R500$, and $R-L500$ (B), and $LRbin$, $L-R500$, and $R-L500$ (C) for subjects 1 to 11 (panel C is shown only for subjects 7 to 11). Figure for the subject 12 is shown as Fig. 3 in the main text. Conventions are the same as in Fig. 3 in the main text.



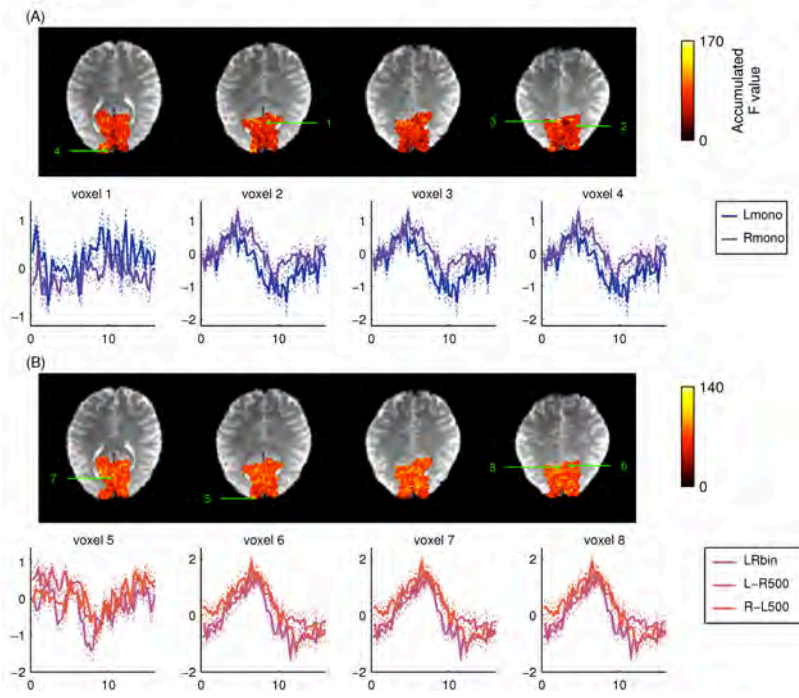
Subject 3



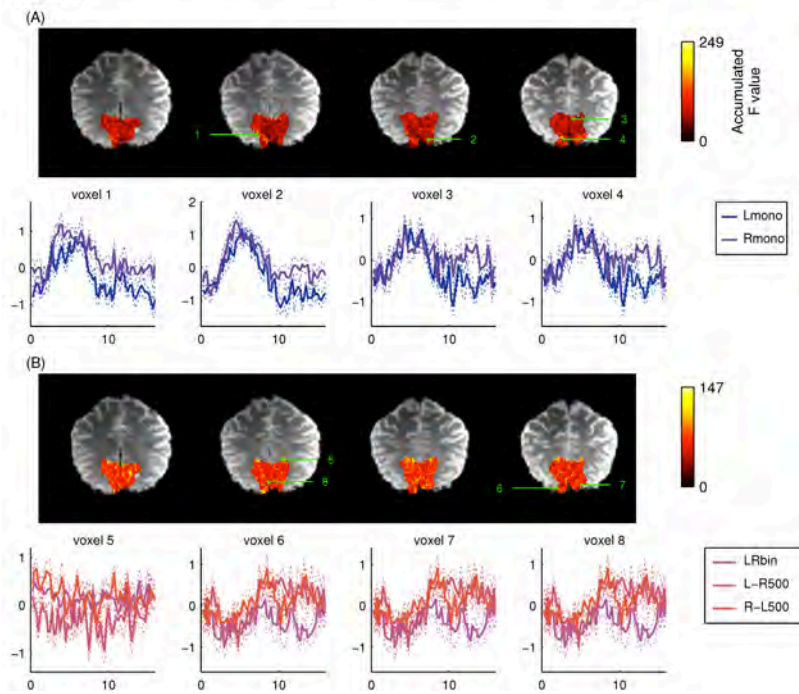
Subject 4



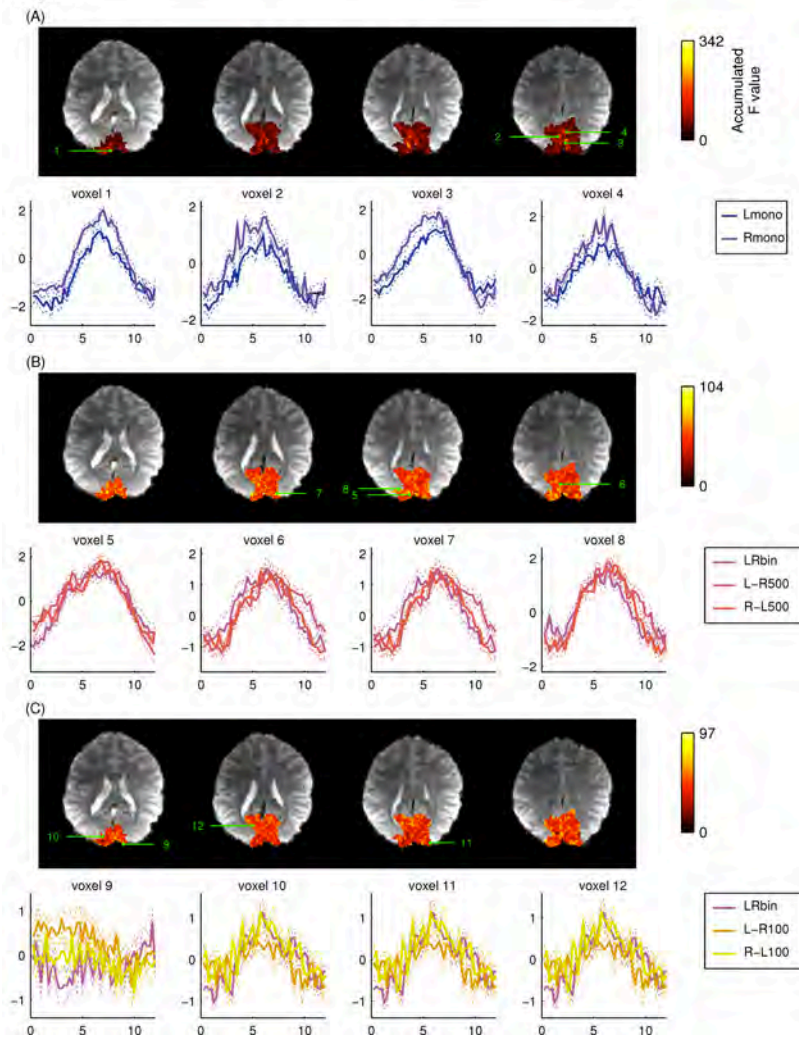
Subject 5



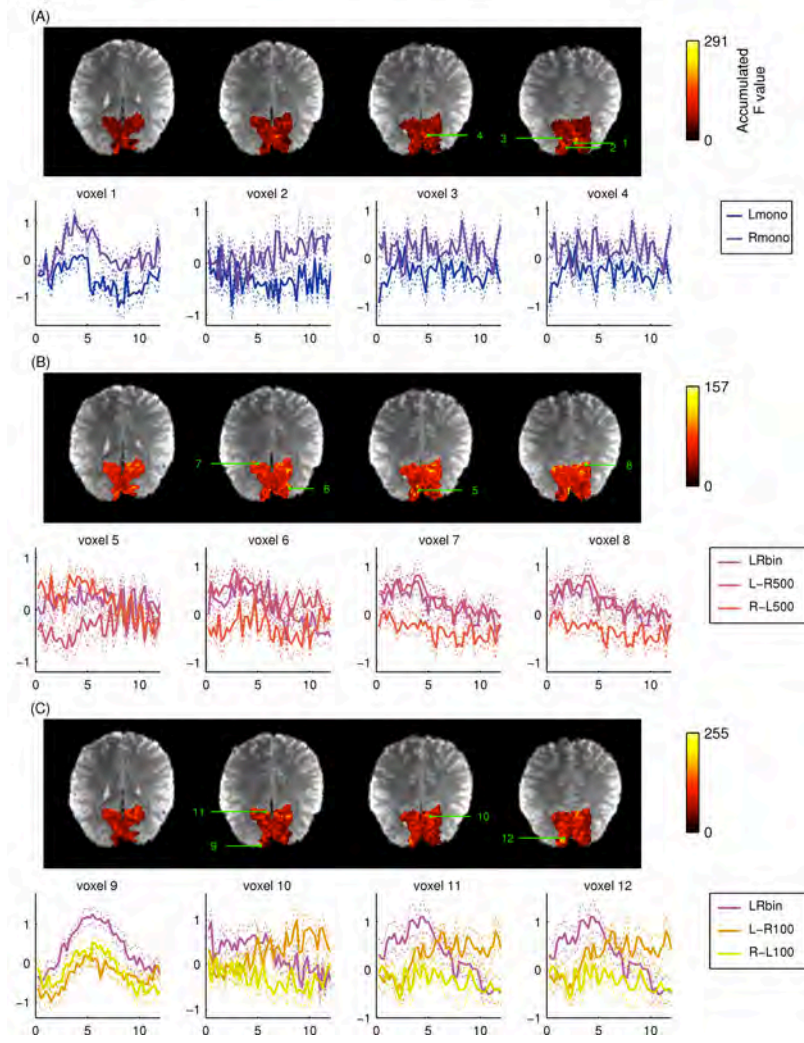
Subject 6



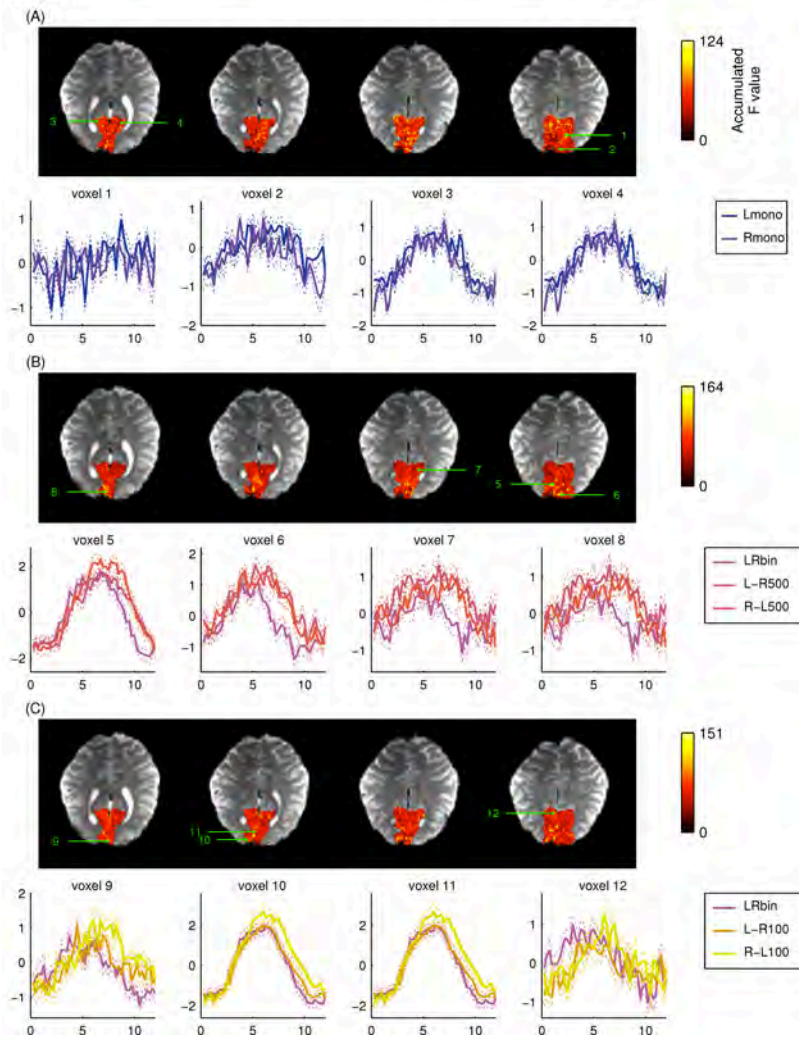
Subject 7



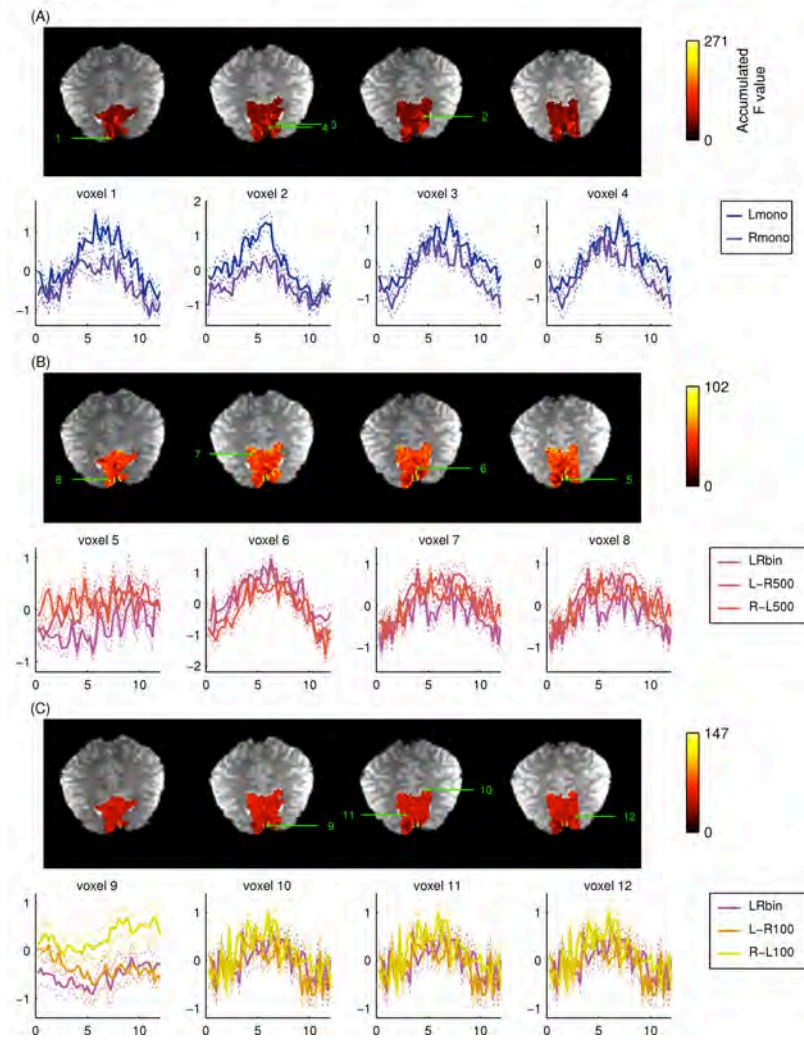
Subject 8



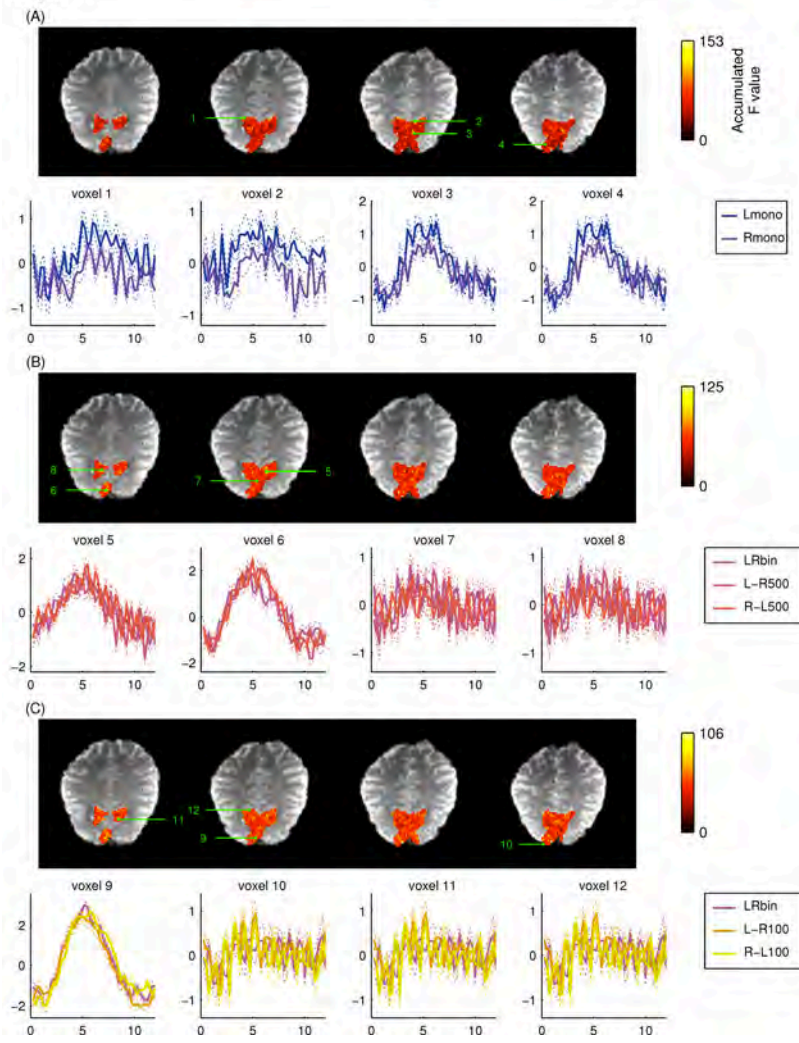
Subject 9



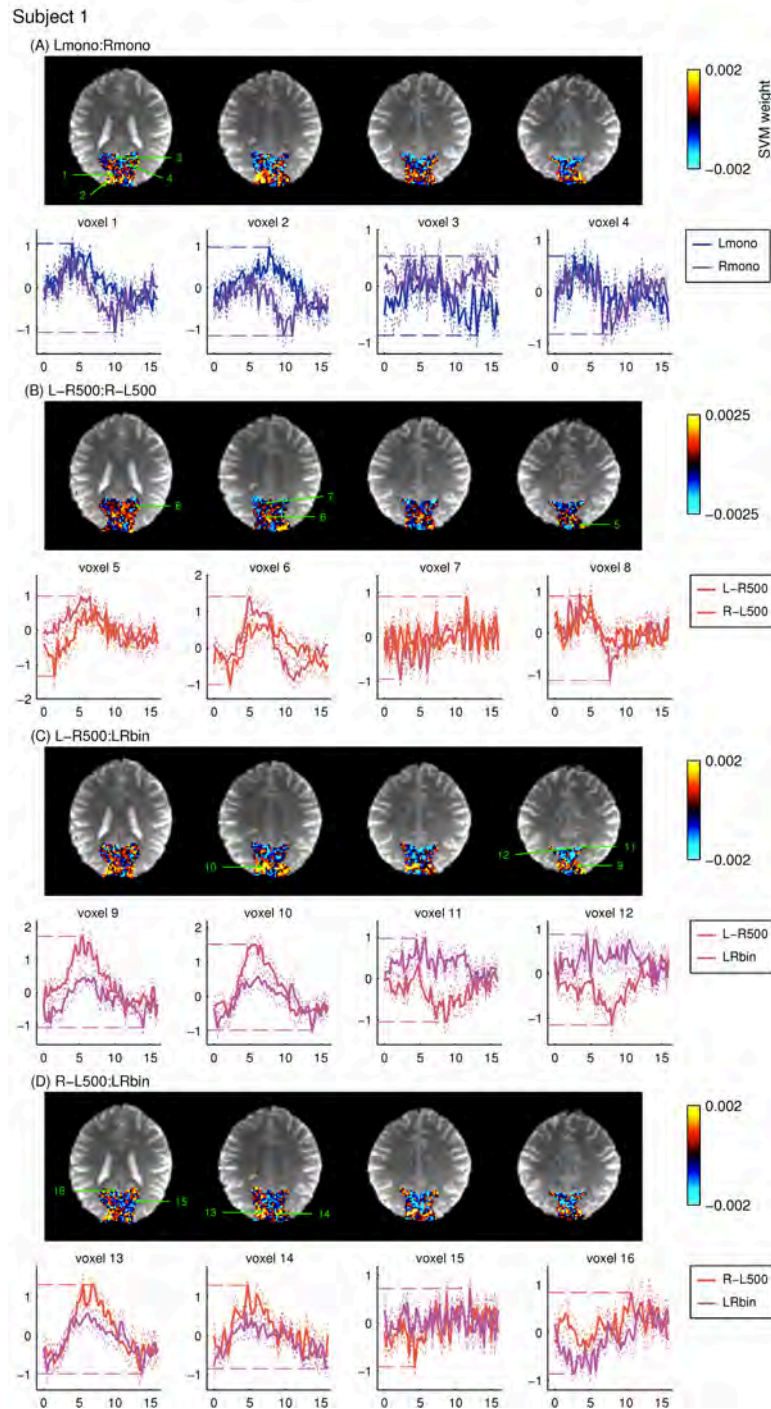
Subject 10



Subject 11

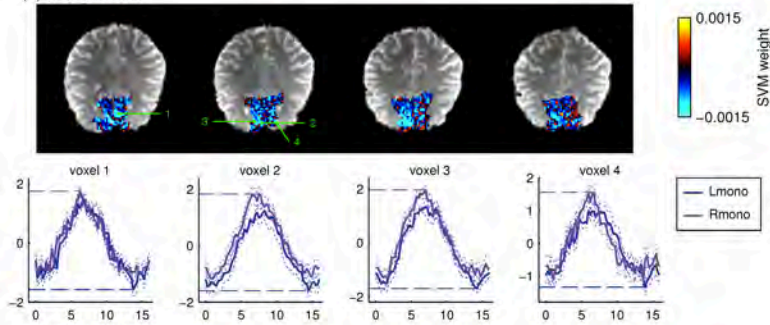


Supplementary Fig. S2 (pp. 9-26): Maps of the weight of support vector machine classifier for Lmono:Rmono (A), L-R500:R-L500 (B), L-R500:LRbin (C), R-L500:LRbin (D), L-R100:R-L100 (E), L-R100:LRbin (F), and R-L100:LRbin (G) (panels E to G are shown only for subjects 7 to 11). Conventions are the same as in Fig. 8 in the main text.

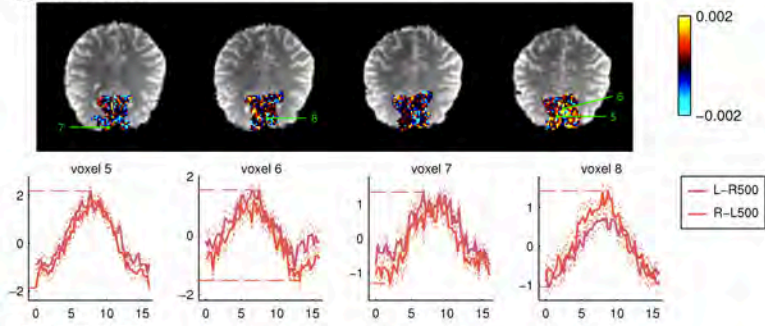


Subject 2

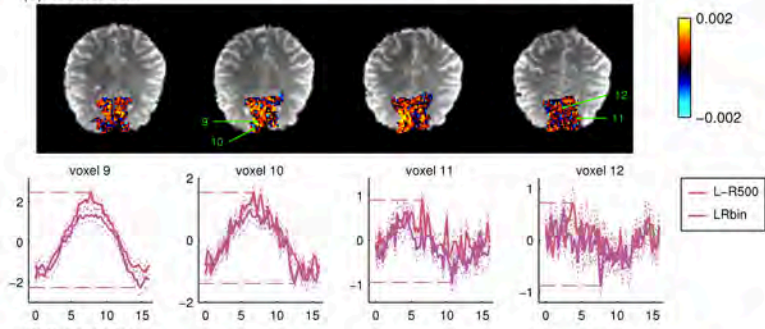
(A) Lmono:Rmono



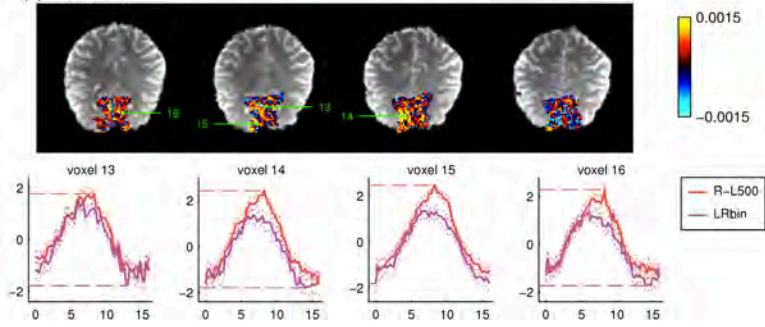
(B) L-R500:R-L500



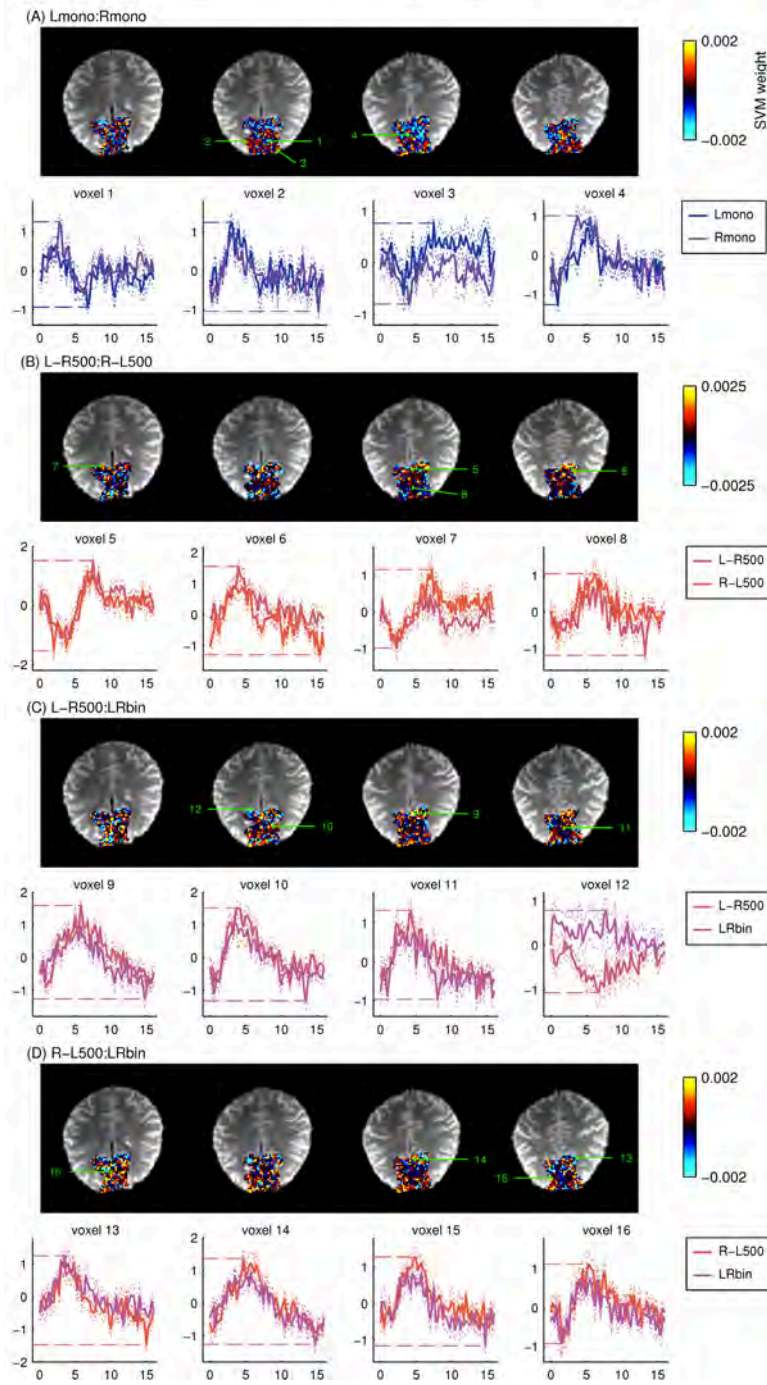
(C) L-R500:L Rbin



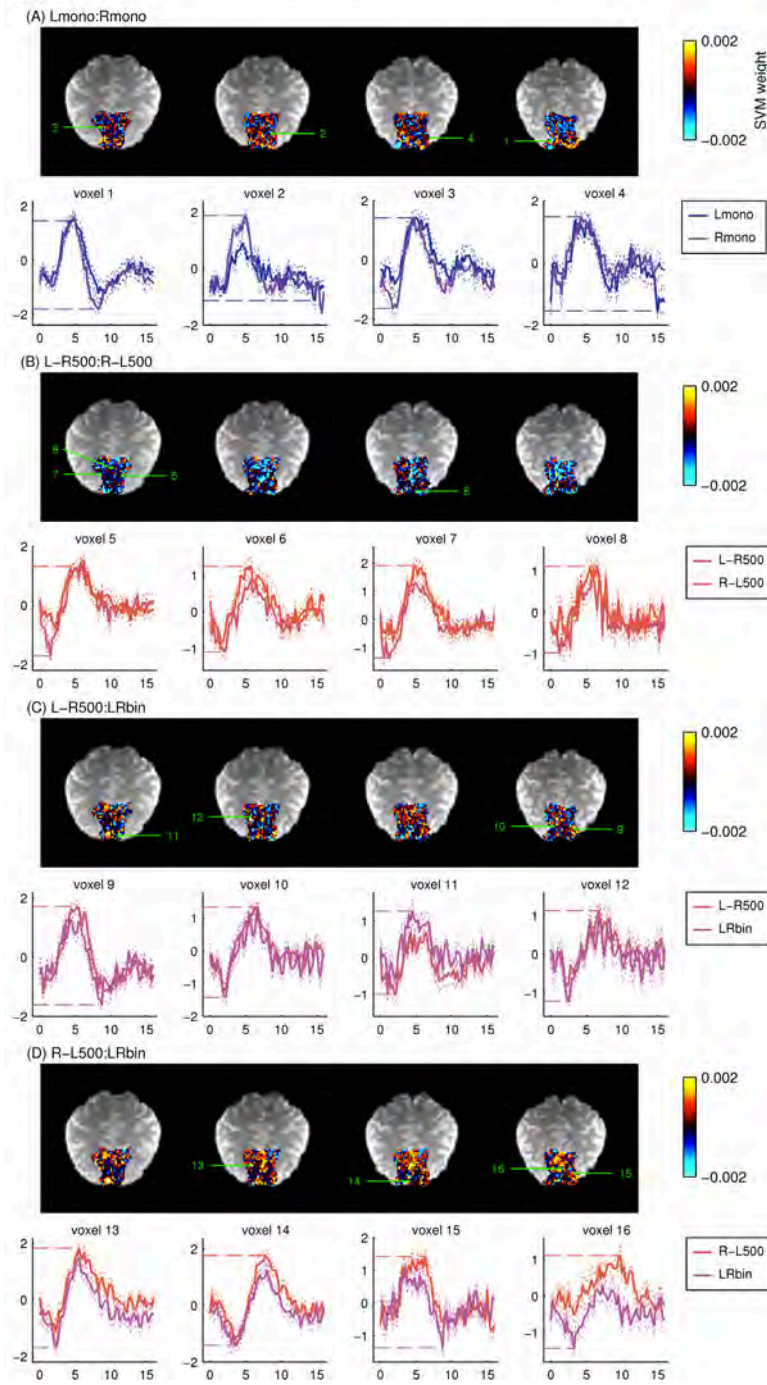
(D) R-L500:L Rbin



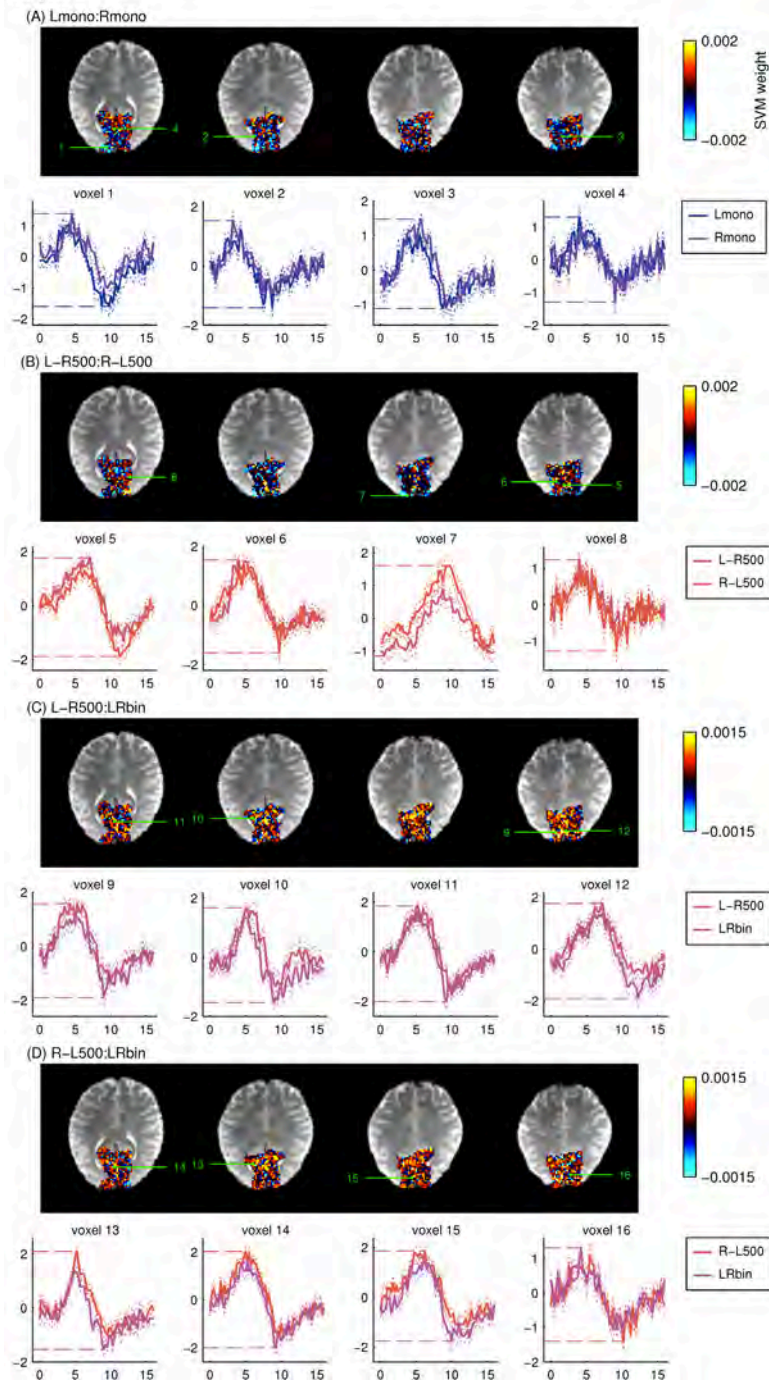
Subject 3



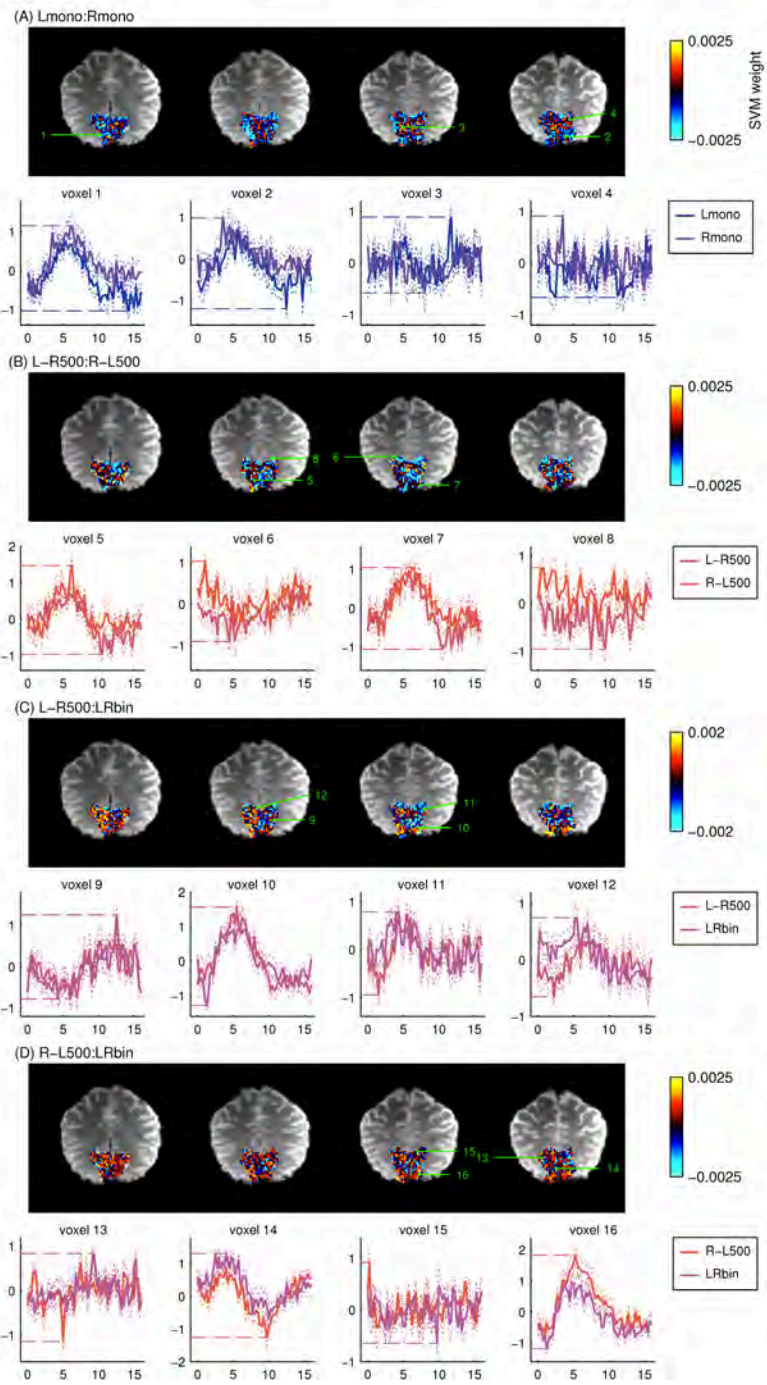
Subject 4



Subject 5

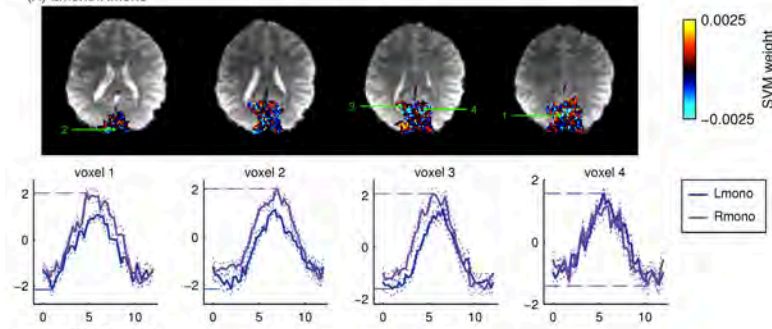


Subject 6

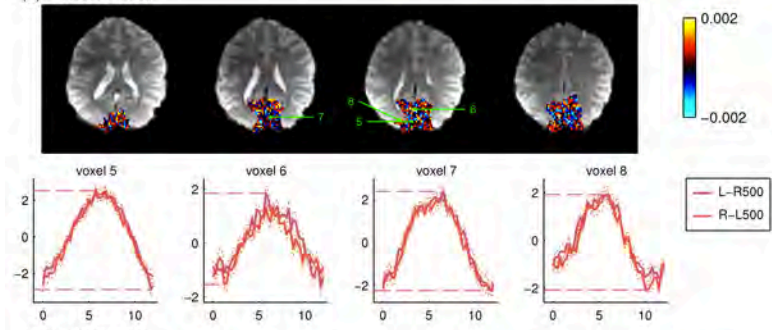


Subject 7 (1)

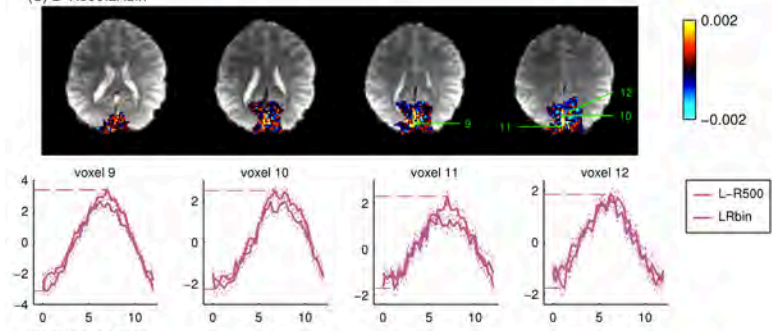
(A) Lmono:Rmono



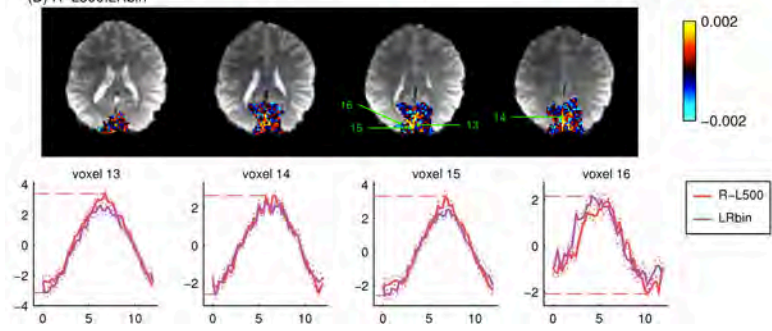
(B) L-R500:R-L500



(C) L-R500:LRbin

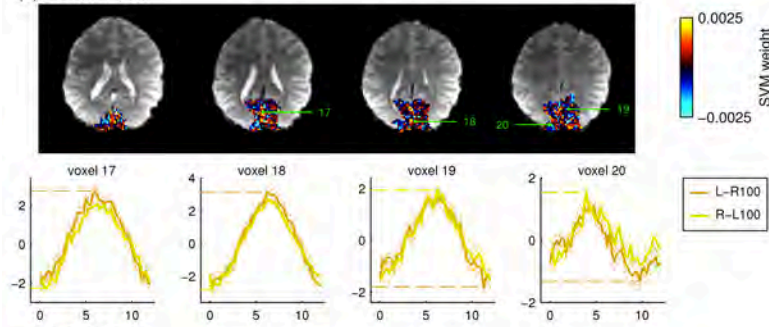


(D) R-L500:LRbin

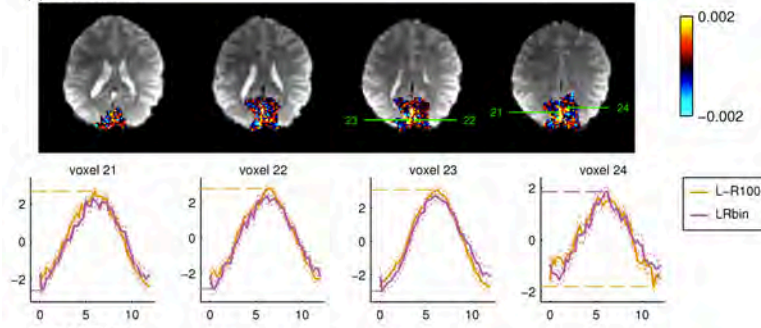


Subject 7 (2)

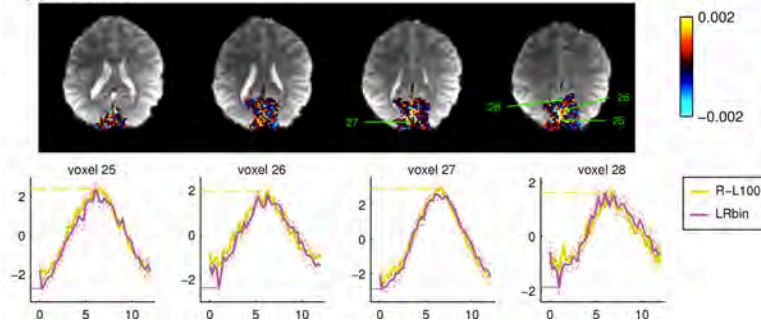
(E) L-R100:R-L100



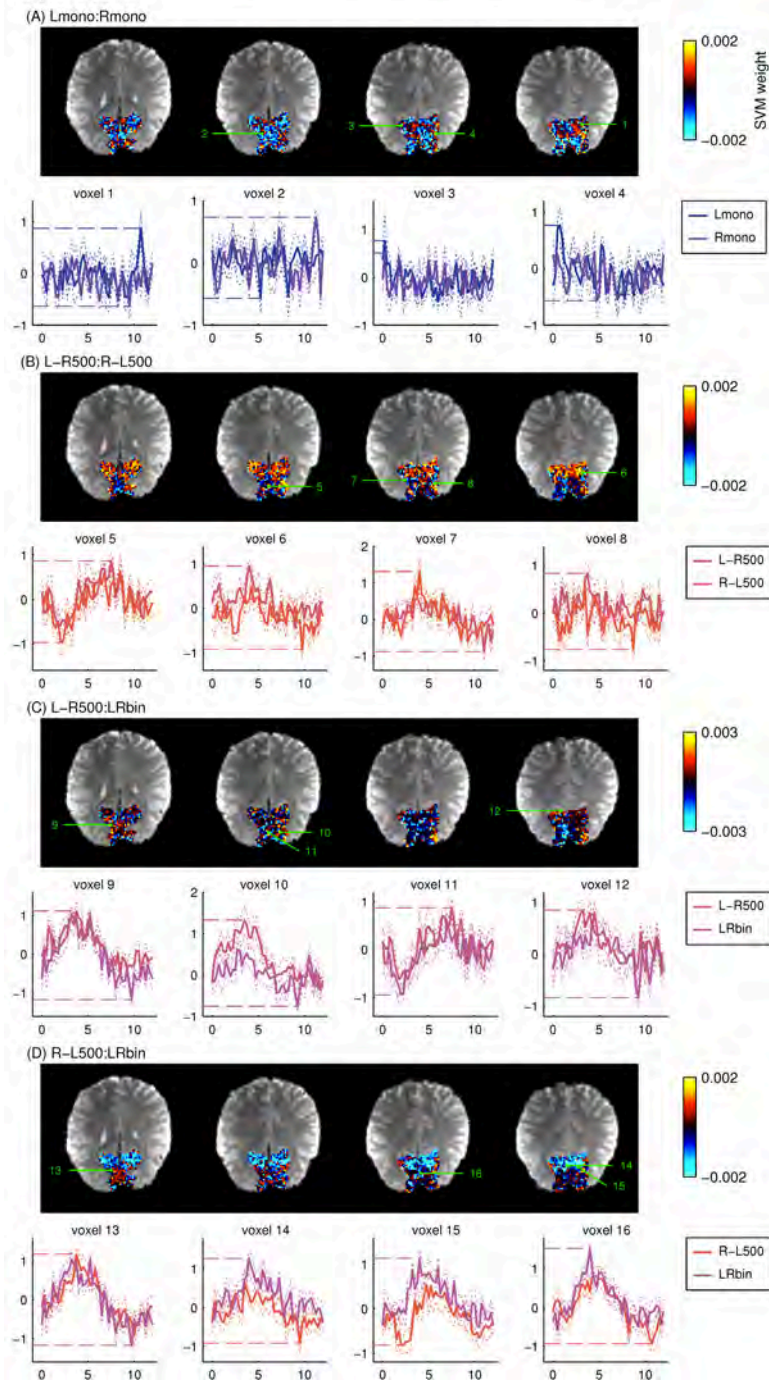
(F) L-R100:LRbin



(G) R-L100:LRbin

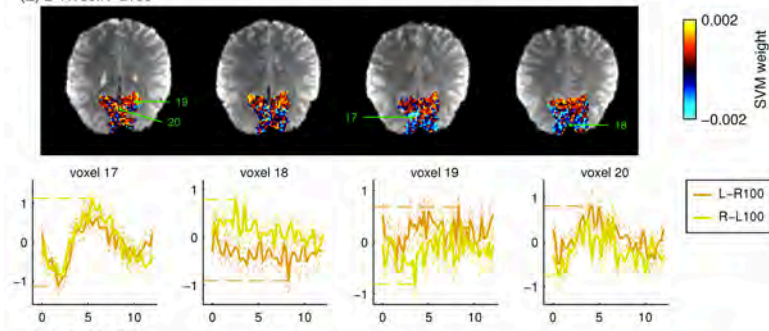


Subject 8 (1)

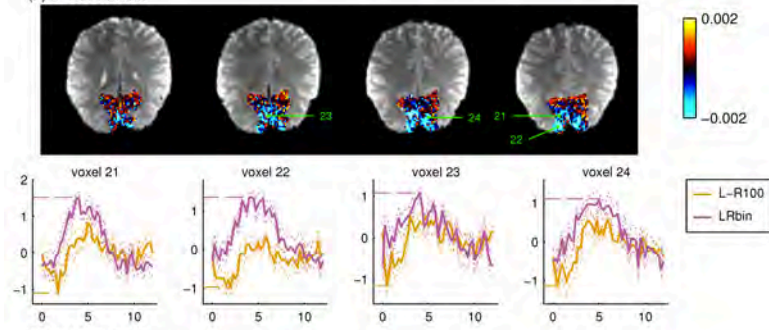


Subject 8 (2)

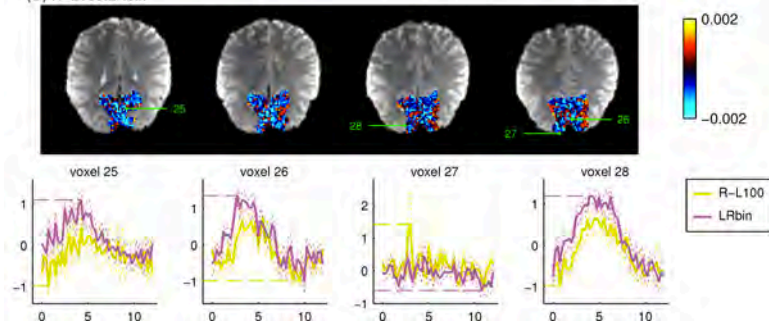
(E) L-R100:R-L100



(F) L-R100:LRbin

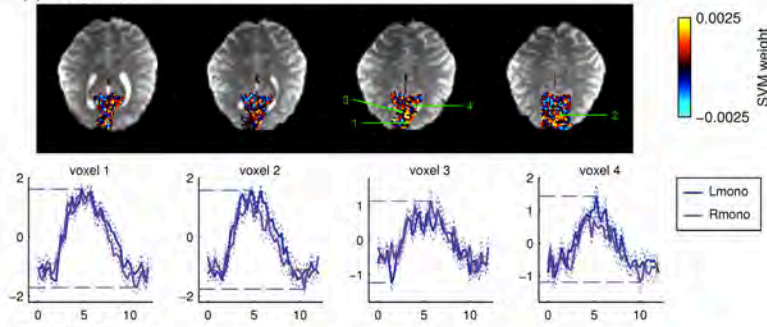


(G) R-L100:LRbin

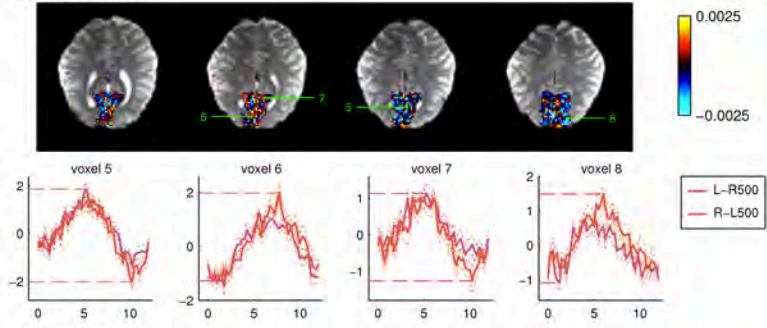


Subject 9 (1)

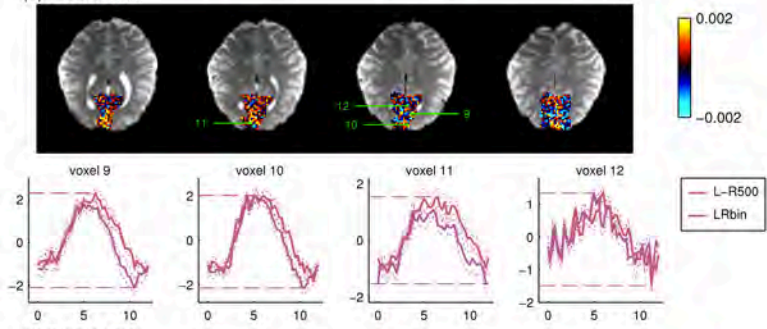
(A) Lmono:Rmono



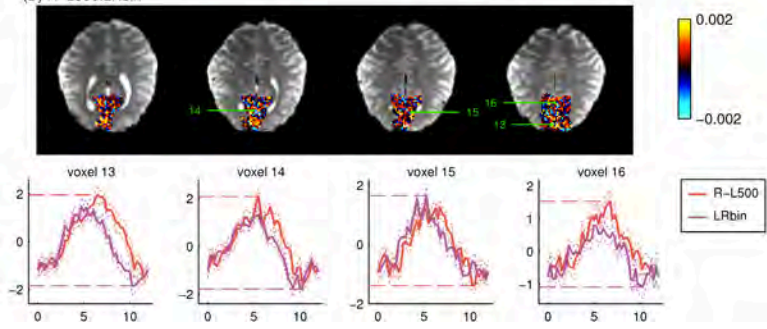
(B) L-R500:R-L500



(C) L-R500:LRbin

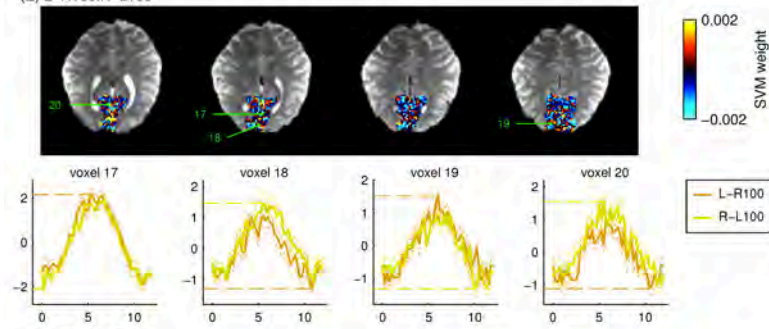


(D) R-L500:LRbin

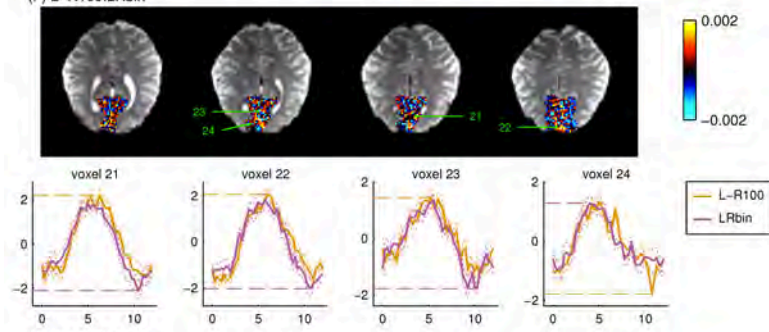


Subject 9 (2)

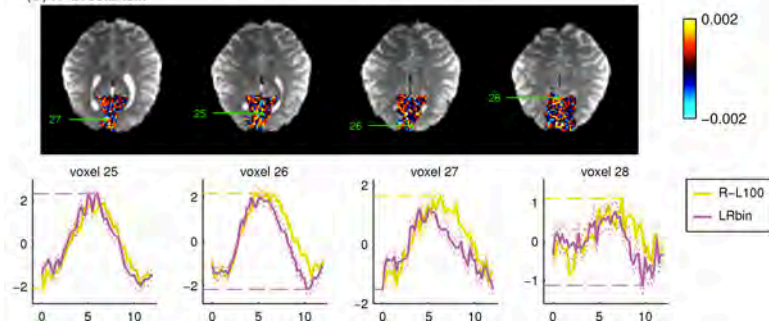
(E) L-R100:R-L100



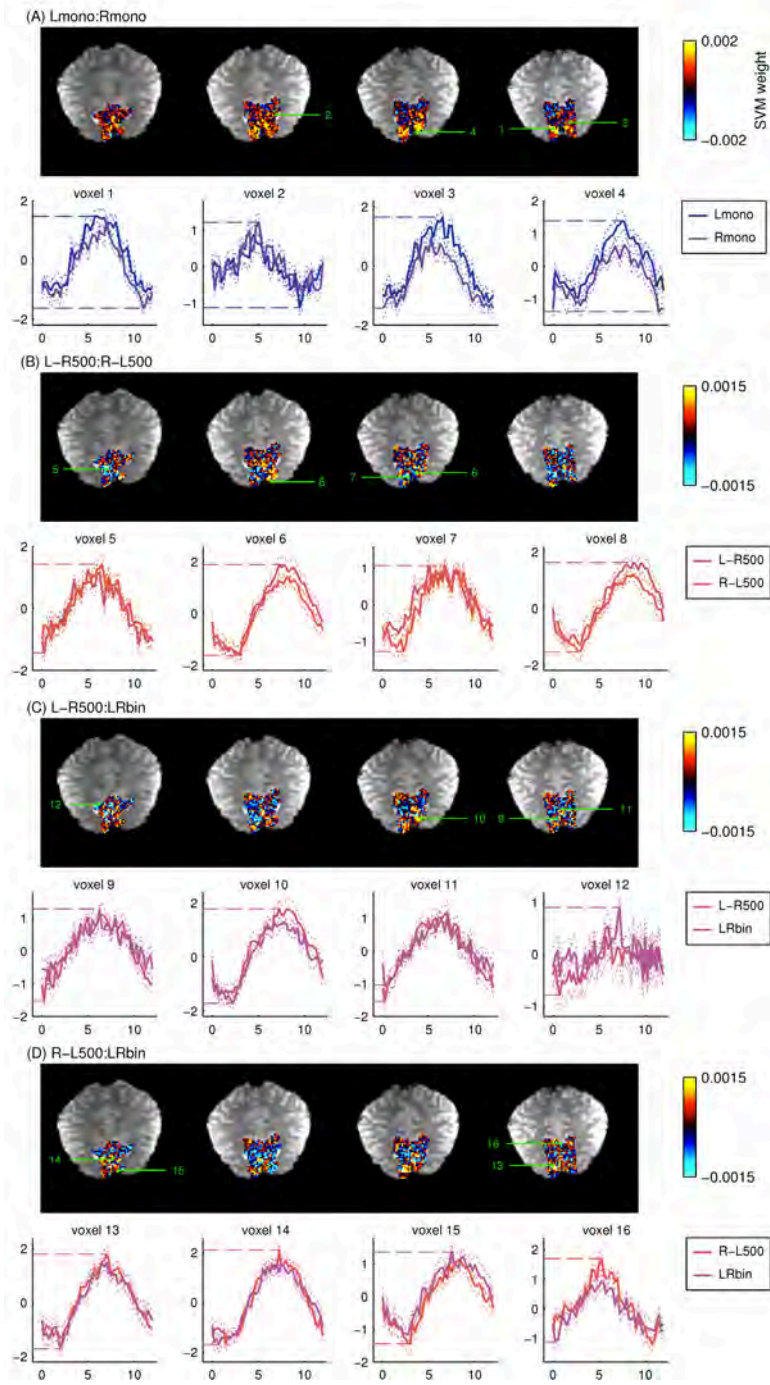
(F) L-R100:LRbin



(G) R-L100:LRbin

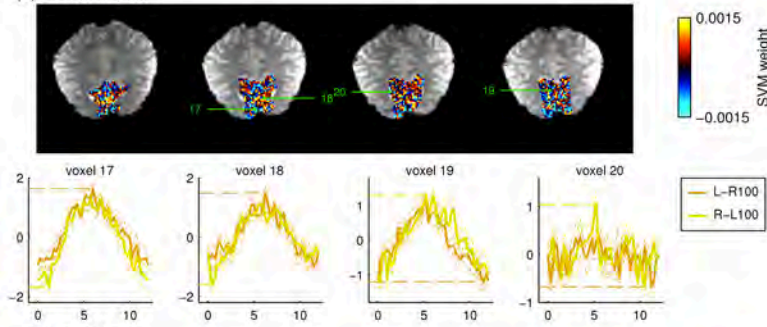


Subject 10 (1)

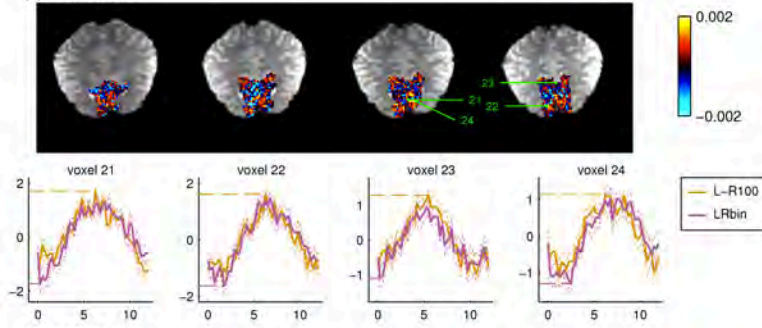


Subject 10 (2)

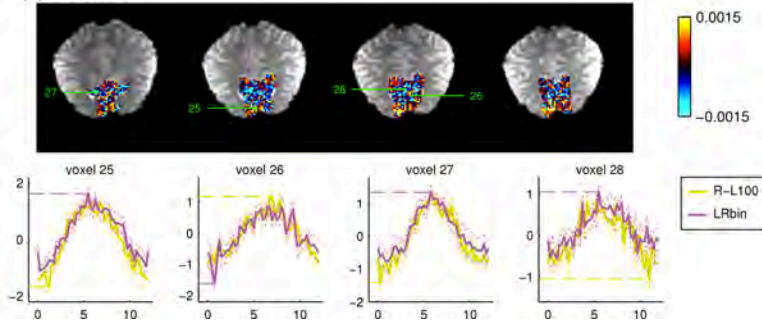
(E) L-R100:R-L100



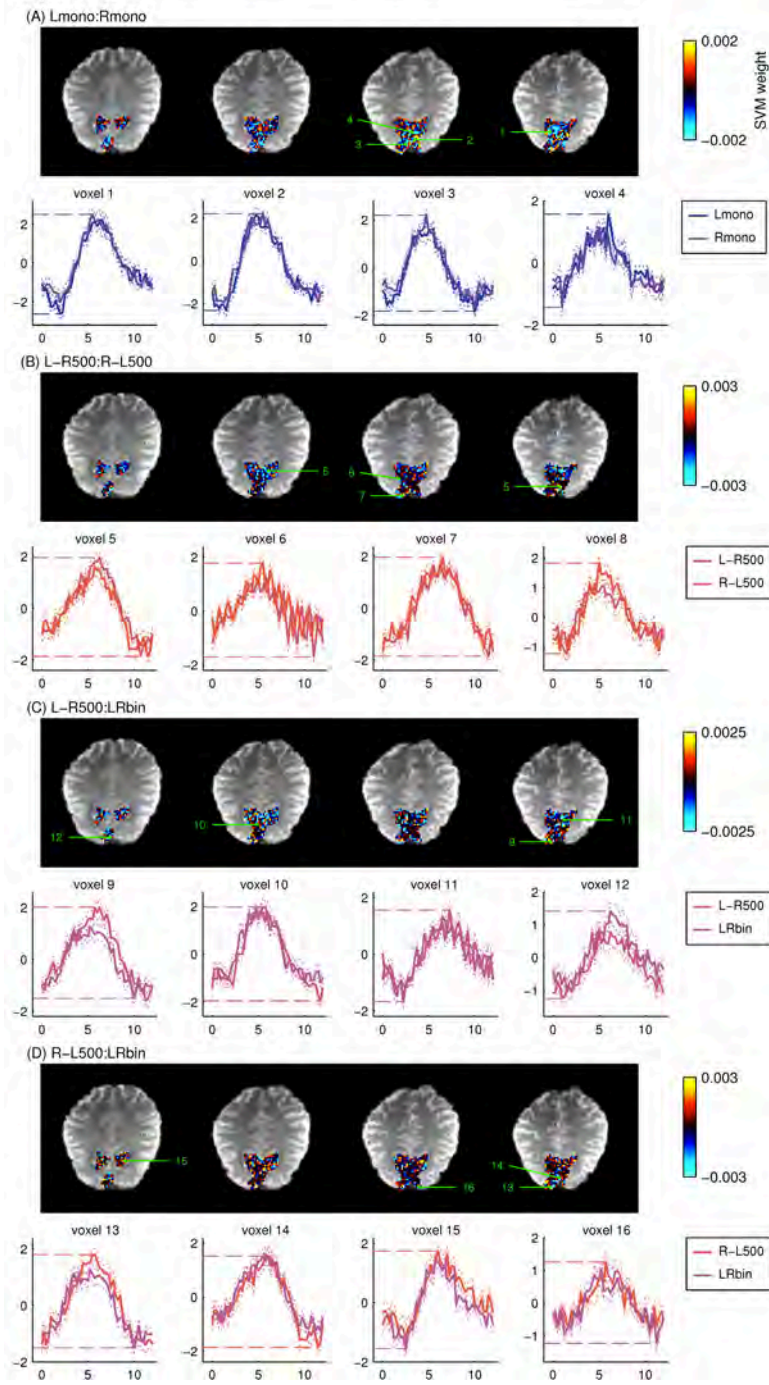
(F) L-R100:LRbin



(G) R-L100:LRbin

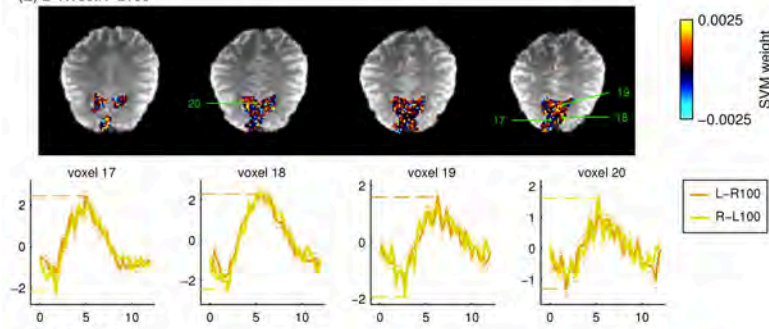


Subject 11 (1)

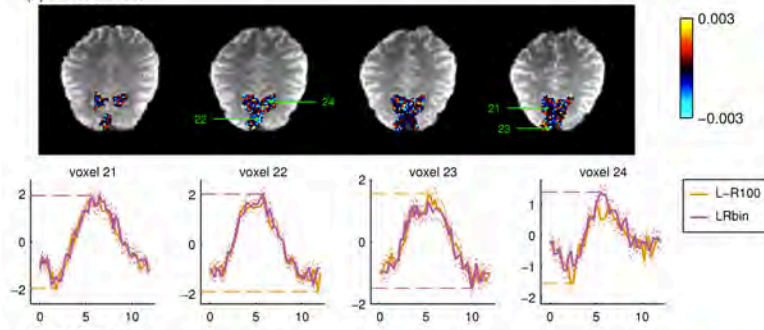


Subject 11 (2)

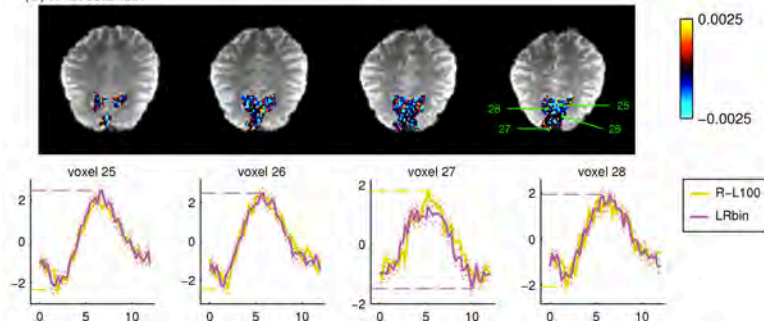
(E) L-R100:R-L100



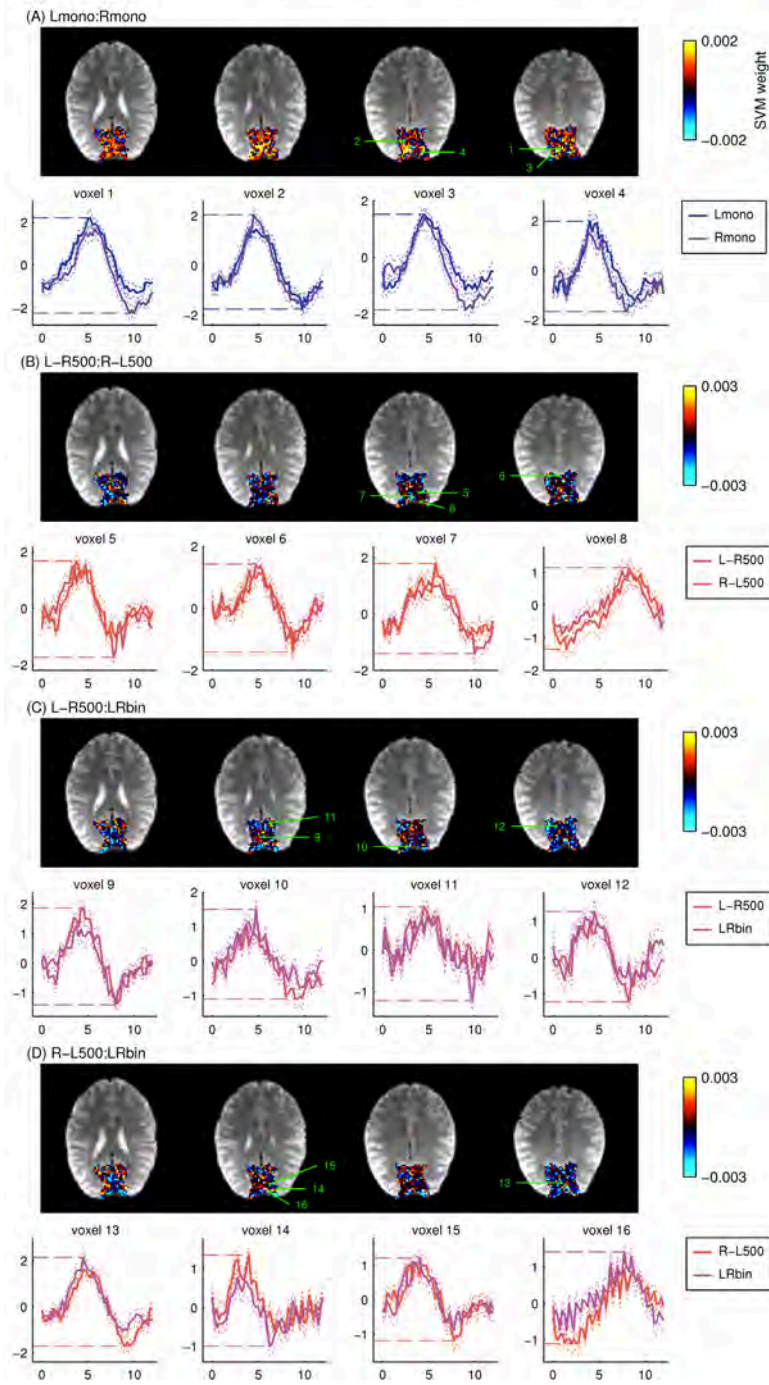
(F) L-R100:LRbin



(G) R-L100:LRbin

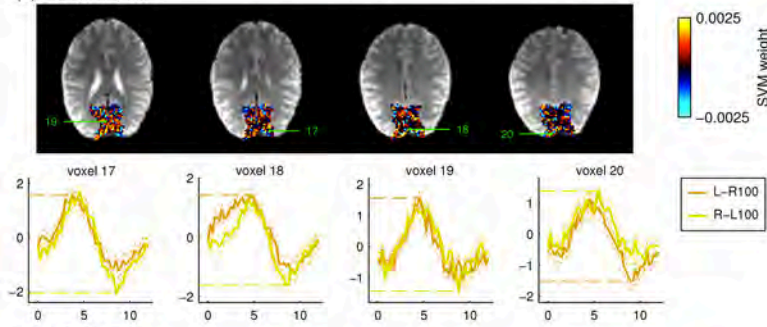


Subject 12 (1)

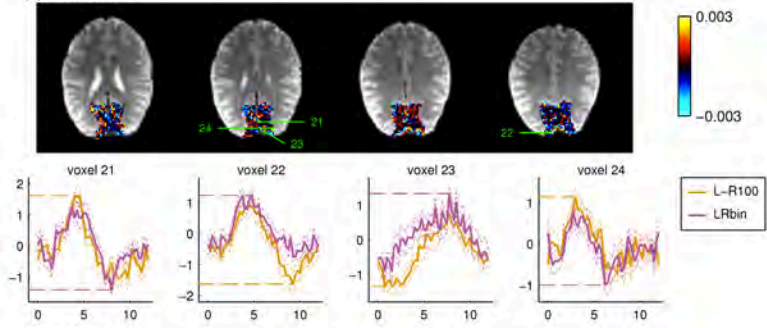


Subject 12 (2)

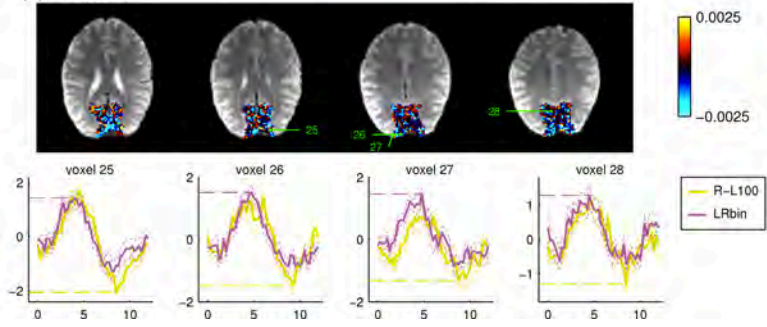
(E) L-R100:R-L100



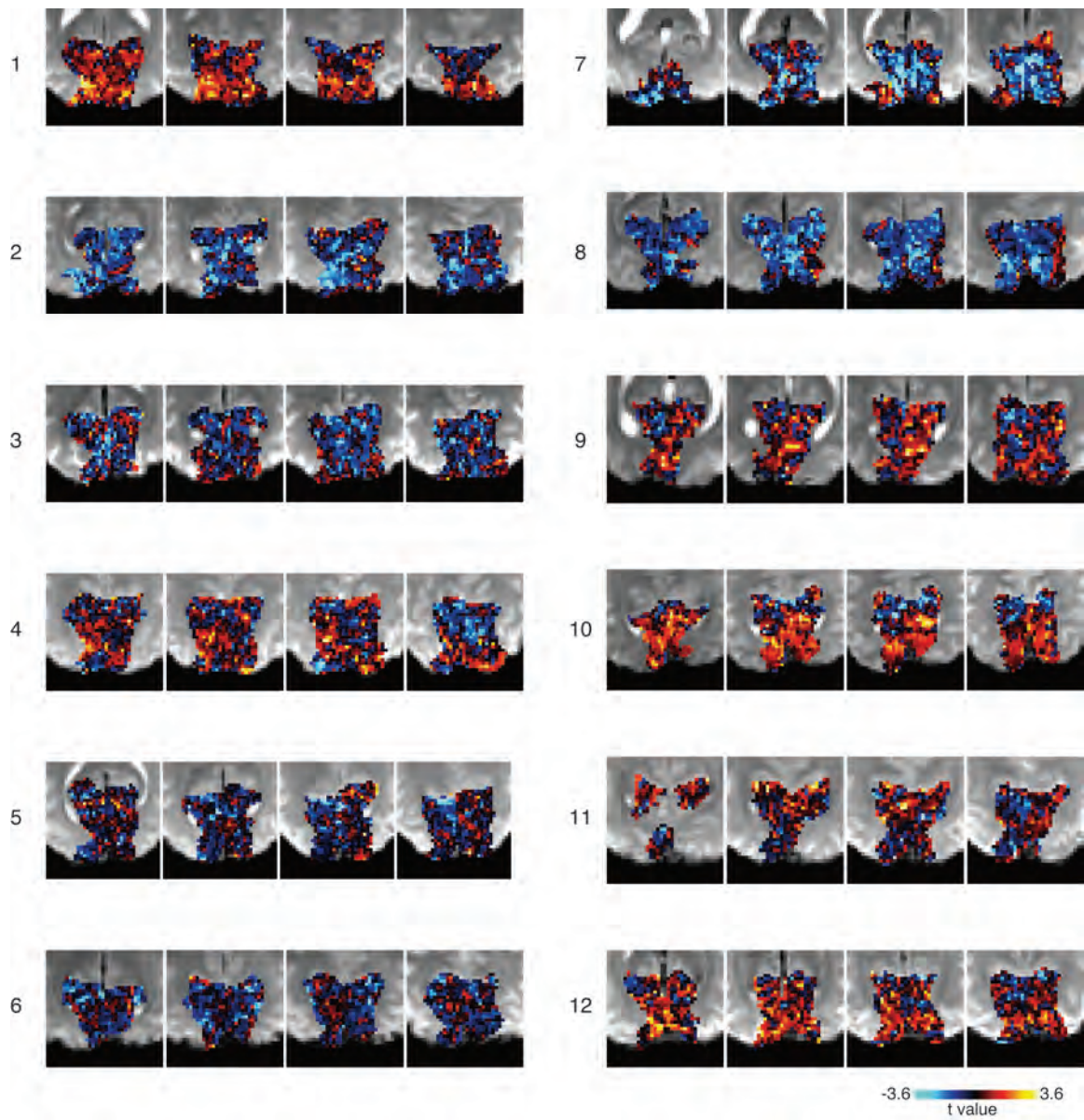
(F) L-R100:LRbin



(G) R-L100:LRbin



Supplementary Fig. S3: Maps of t values for the ocular dominance response contrast (Lmono - Rmono) for subjects 1 to 12.



Supplementary Table. S1: Correlations between t values of ocular dominance contrast (Lmono - Rmono) and absolute weights of the support vector machine classifiers.

Subject	SVM classification contrast						
	Lmono: Rmono	L-R500: R-L500	L-R500: LRbin	R-L500: LRbin	L-R100: R-L100	L-R100: LRbin	R-L100: LRbin
1	0.466	0.058	0.192	0.097			
2	0.249	0.064	0.017	-0.065			
3	0.370	-0.066	0.100	0.152			
4	0.469	-0.085	-0.045	0.028			
5	0.360	0.008	0.022	0.010			
6	0.318	0.014	0.031	-0.009			
7	0.441	0.007	-0.095	-0.083	-0.111	-0.079	0.032
8	0.442	0.001	0.073	0.056	-0.084	0.044	0.112
9	0.428	0.033	0.077	0.057	0.088	0.055	-0.028
10	0.378	0.027	-0.040	-0.065	0.049	0.015	-0.018
11	0.506	-0.047	0.017	0.077	-0.034	0.073	0.095
12	0.539	0.051	0.013	-0.042	0.105	-0.033	-0.141