

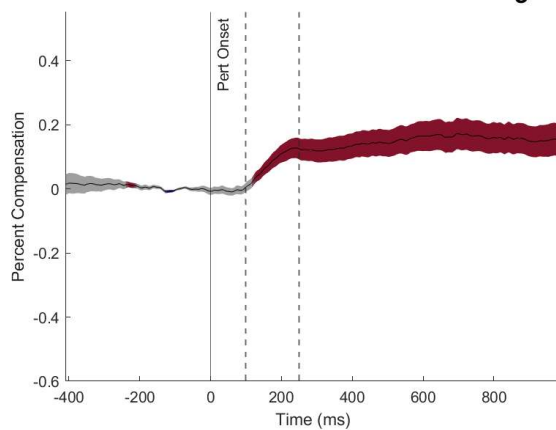
Supplemental Material S3. Average trace plots for each study.

The following plots show average traces across participants for each study, with 95% confidence intervals shown in grey. If the 95% confidence interval bounds are greater than 0 for four consecutive trials, then the bounds are shown in red; similarly, if the 95% confidence interval bounds are less than 0 for four consecutive trials, the interval is shown in blue. When possible, up and down shift data are plotted separately. Average reflexive traces are all plotted relative to perturbation onset, such that perturbation onset occurs at time 0. Perturbation onset is marked with a solid line, while dotted lines indicate the selected measurement window for analyses of compensation magnitude.

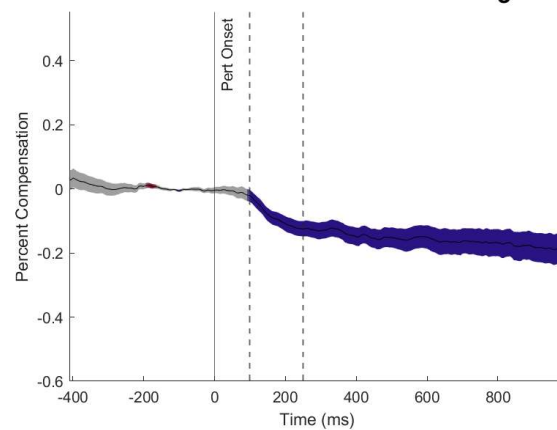
Reflexive f_o YA:

Study 02:

Study-02 Down Shift: Reflexive f_o YA

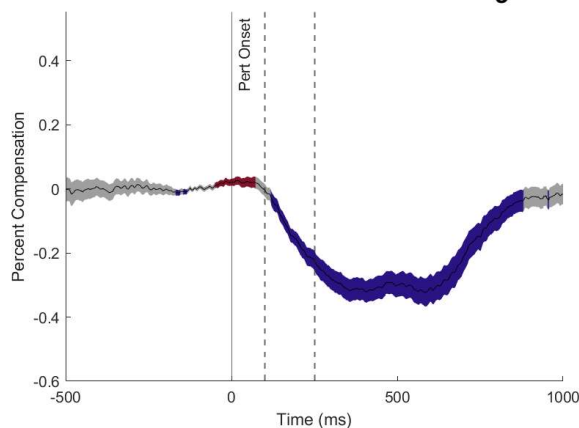


Study-02 Up Shift: Reflexive f_o YA



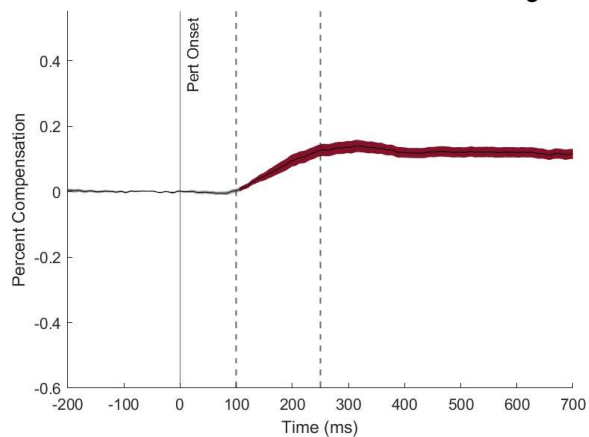
Study 03:

Study-03 Up Shift: Reflexive f_o YA

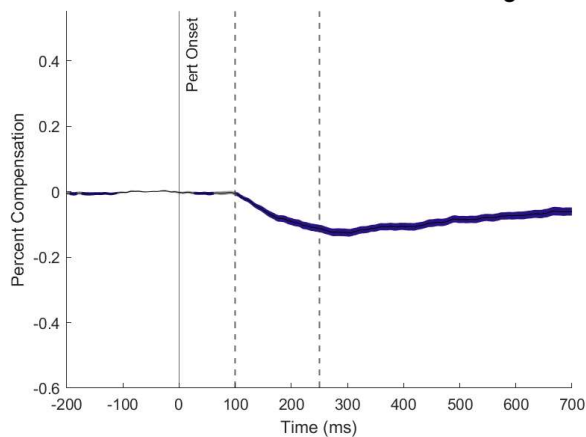


Study 04:

Study-04 Down Shift: Reflexive f_o YA

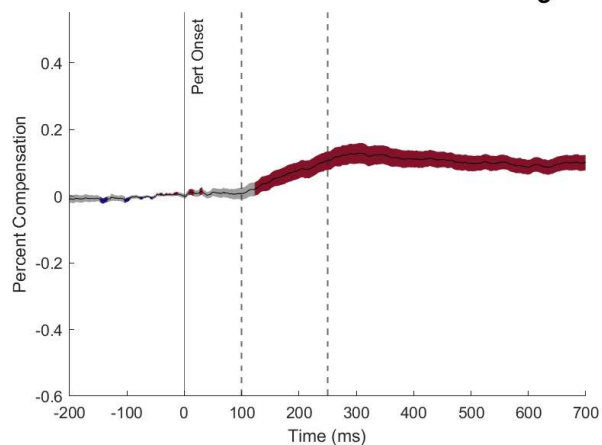


Study-04 Up Shift: Reflexive f_o YA

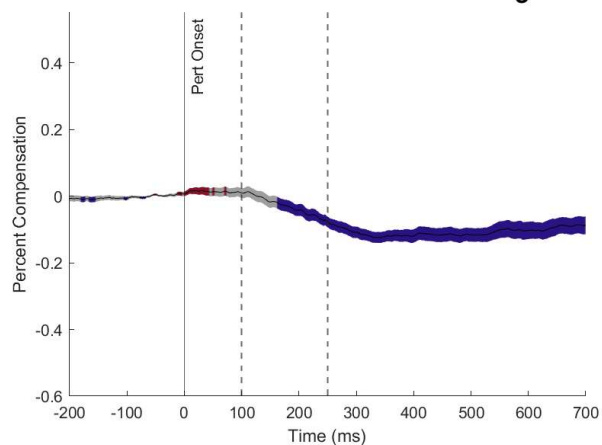


Study 05:

Study-05 Down Shift: Reflexive f_o YA

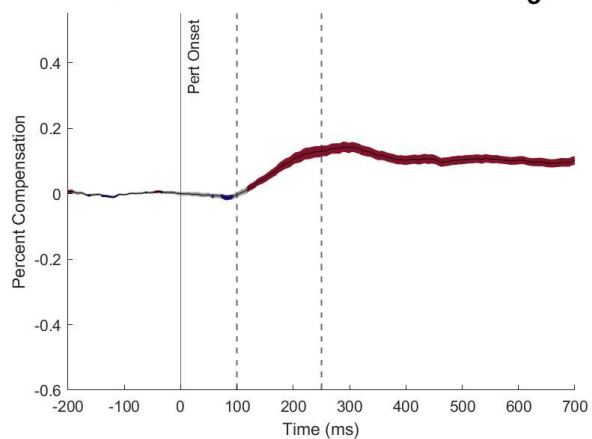


Study-05 Up Shift: Reflexive f_o YA

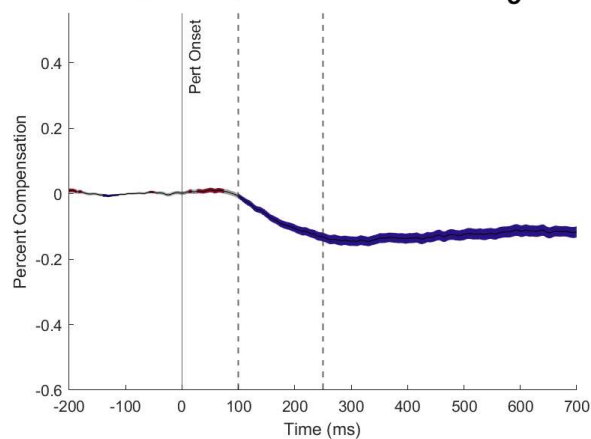


Study 06:

Study-06 Down Shift: Reflexive f_o YA

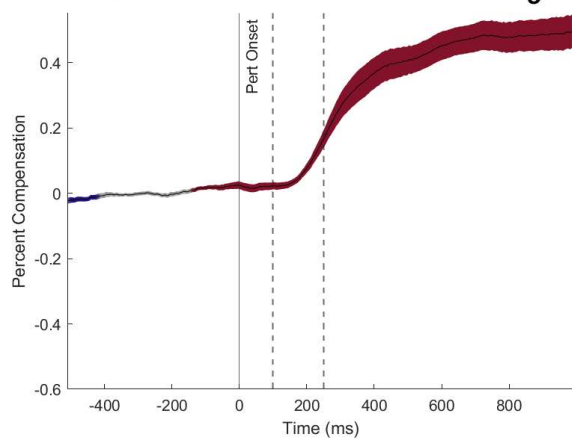


Study-06 Up Shift: Reflexive f_o YA



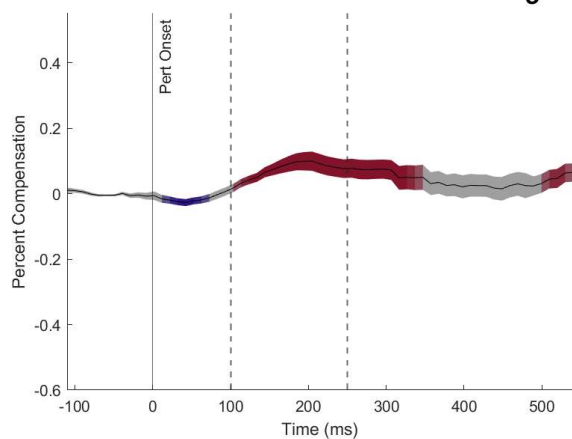
Study 07:

Study-07 Down Shift: Reflexive f_o YA



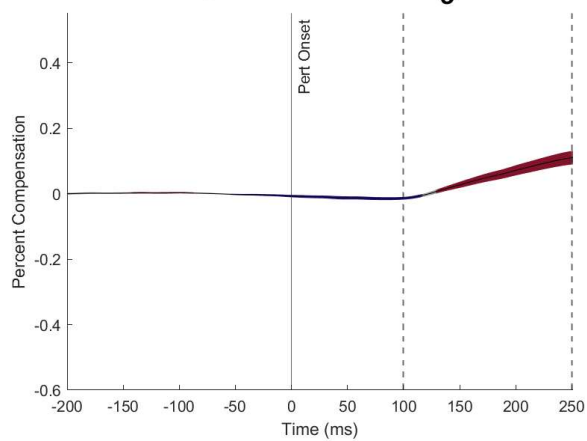
Study 09:

Study-09 Down Shift: Reflexive f_o YA



Study 22 (combined up and down shift data):

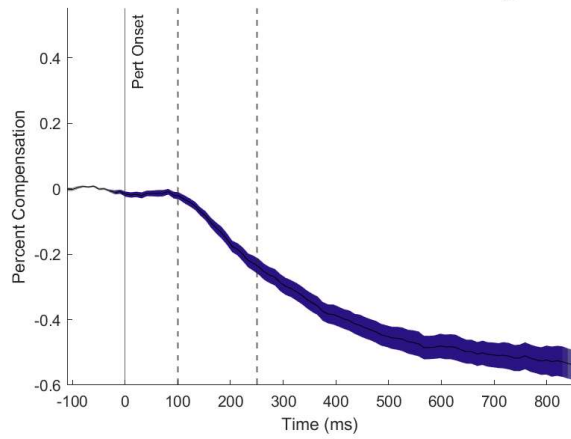
Study-22: Reflexive f_o YA



Reflexive f_0 OA:

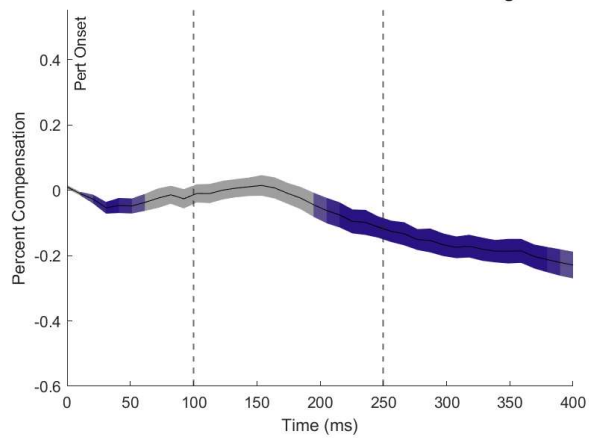
Study 01:

Study-01 Up Shift: Reflexive f_0 OA



Study 08:

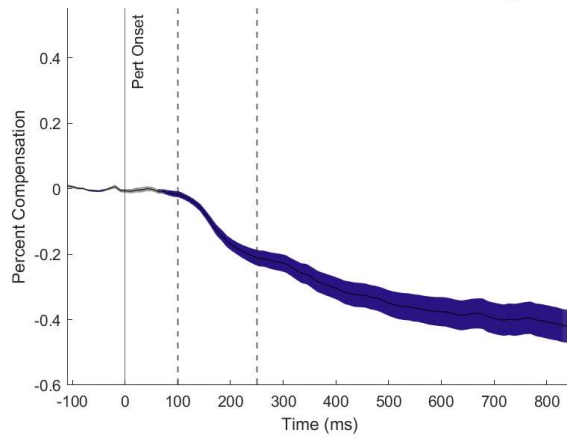
Study-08 Up Shift: Reflexive f_0 OA



Reflexive f_0 PD:

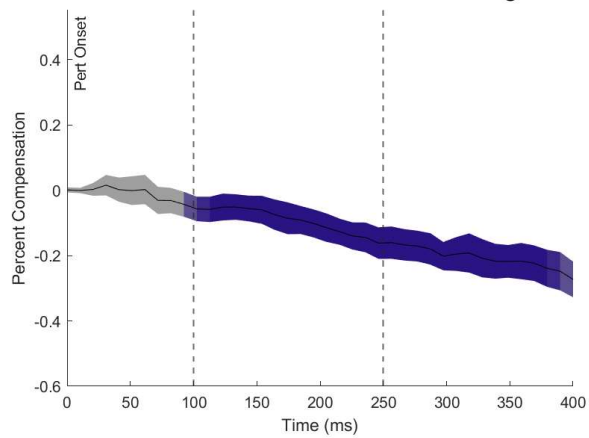
Study 01:

Study-01 Up Shift: Reflexive f_0 PD



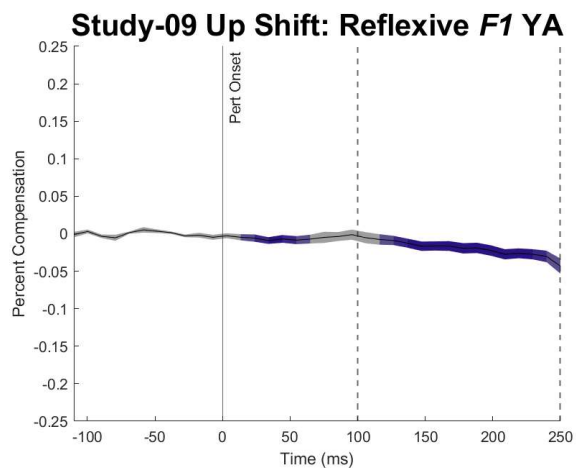
Study 08:

Study-08 Up Shift: Reflexive f_0 PD

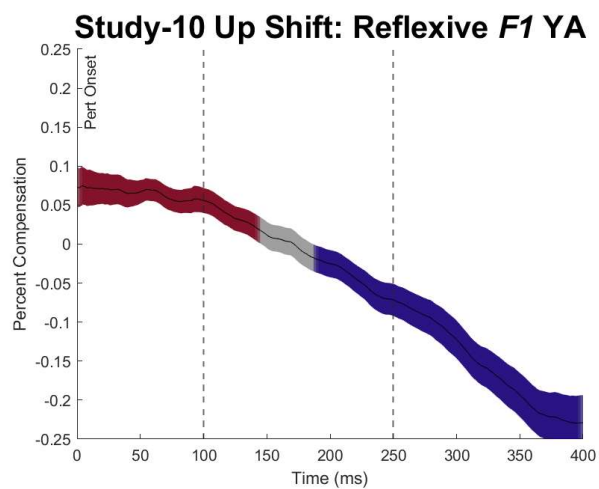


Reflexive *F1* YA:

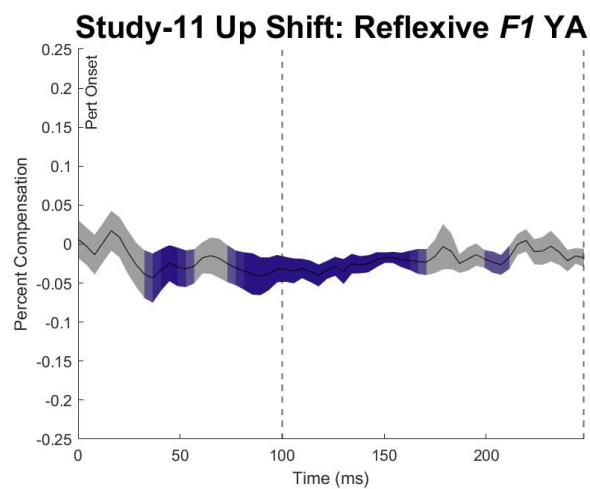
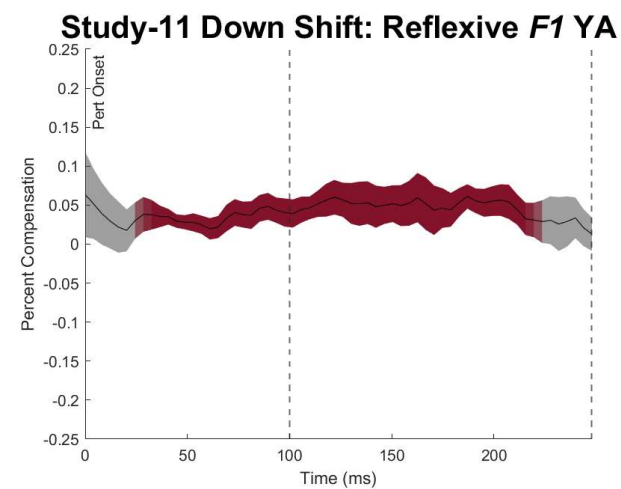
Study 09:



Study 10:

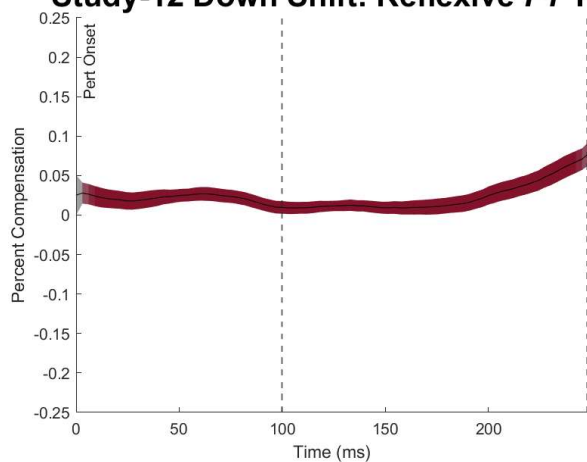


Study 11:

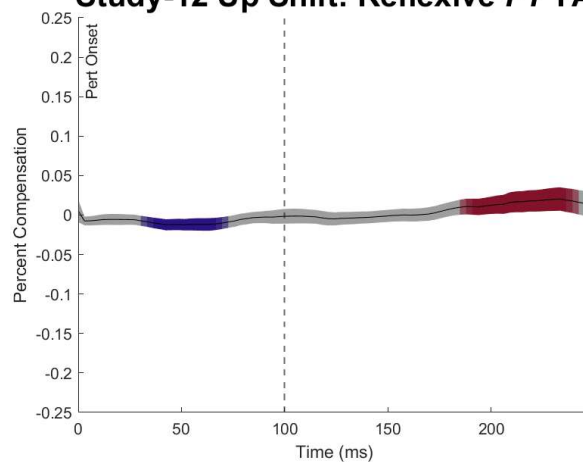


Study 12:

Study-12 Down Shift: Reflexive $F1$ YA

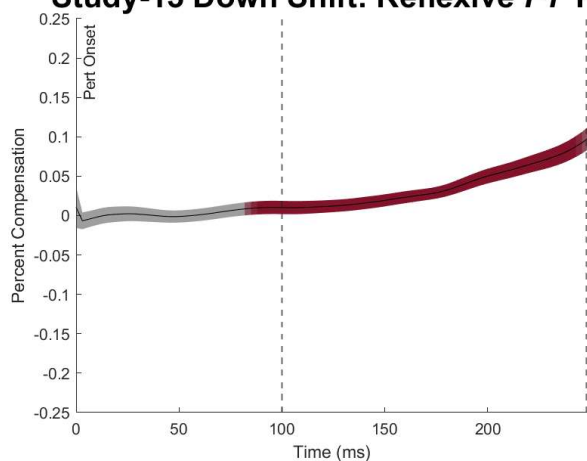


Study-12 Up Shift: Reflexive $F1$ YA

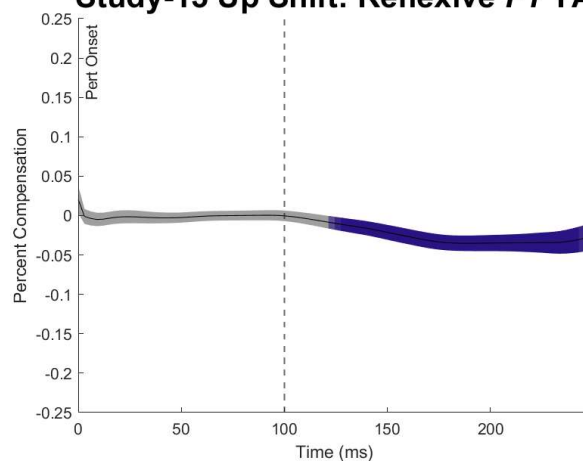


Study 13:

Study-13 Down Shift: Reflexive $F1$ YA

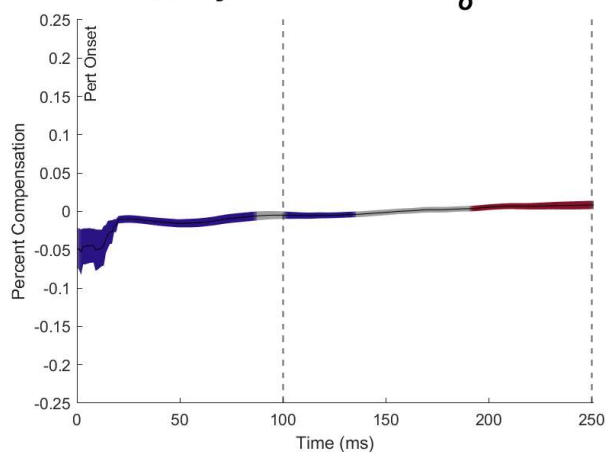


Study-13 Up Shift: Reflexive $F1$ YA



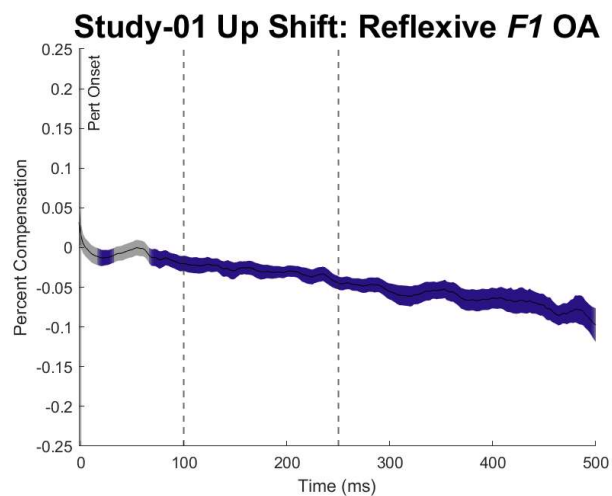
Study 22 (combined up and down shift data):

Study-22: Reflexive f_o YA

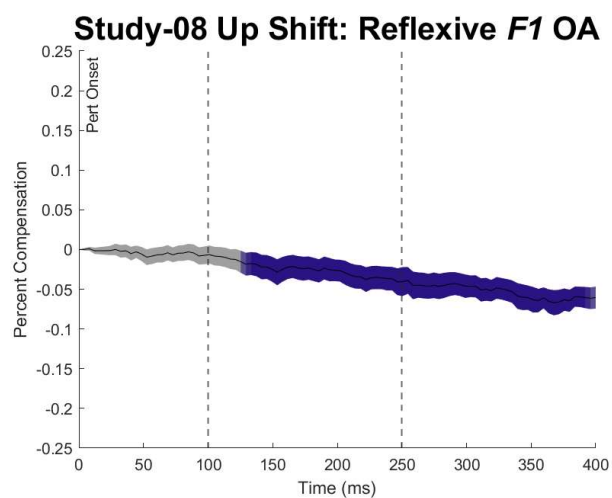


Reflexive *F1* OA:

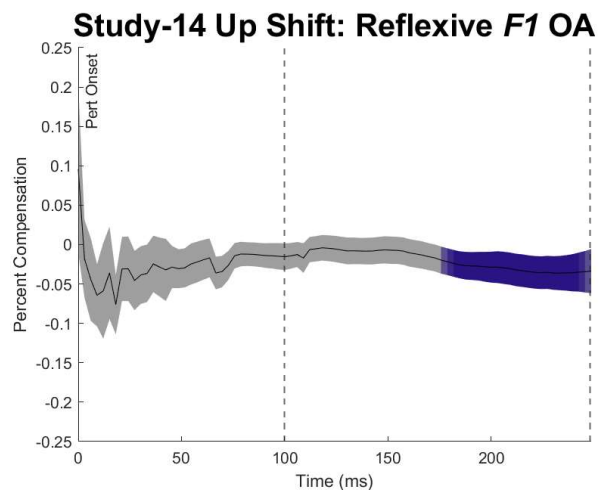
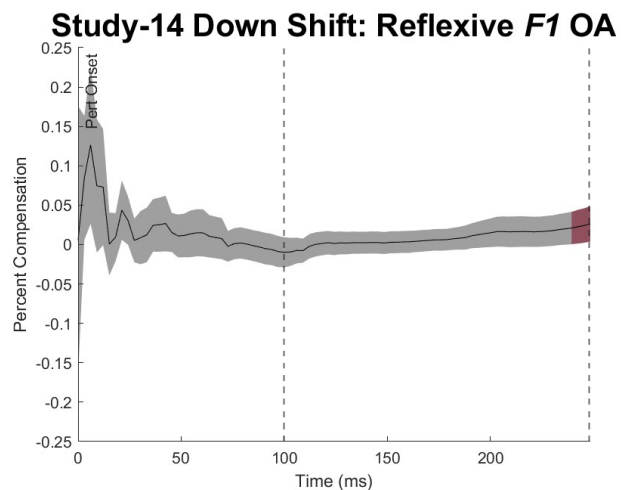
Study 1:



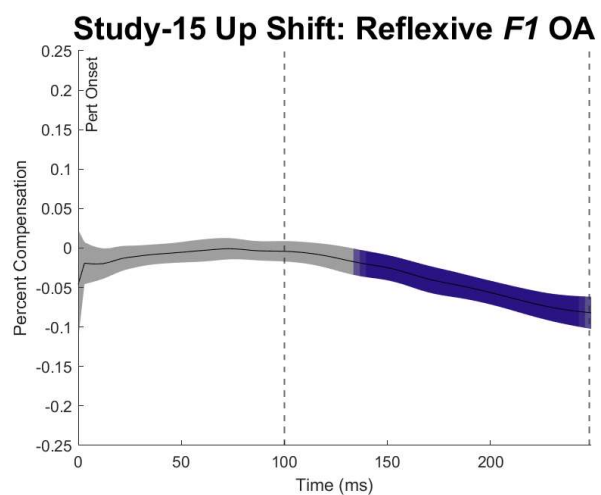
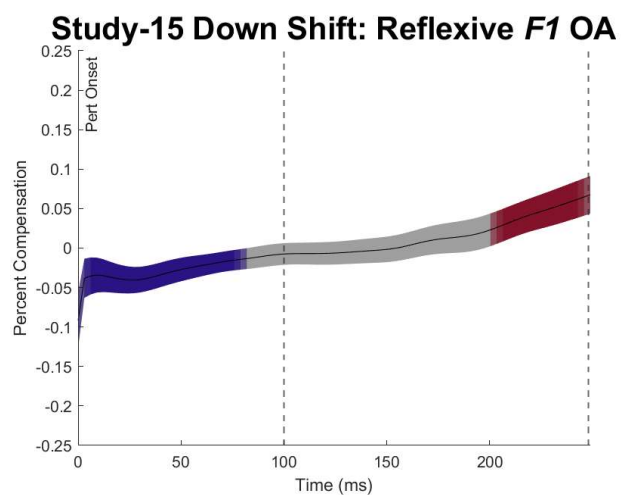
Study 8:



Study 14:

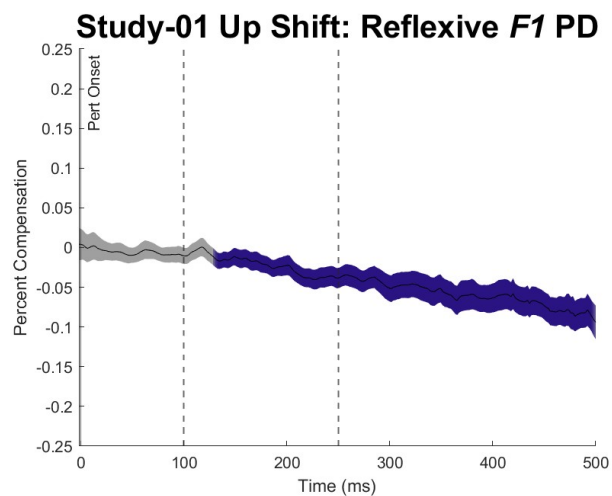


Study 15:

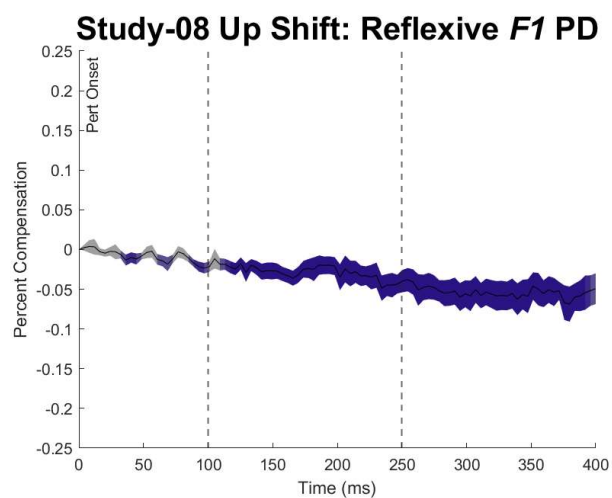


Reflexive *F1* PD:

Study 01:



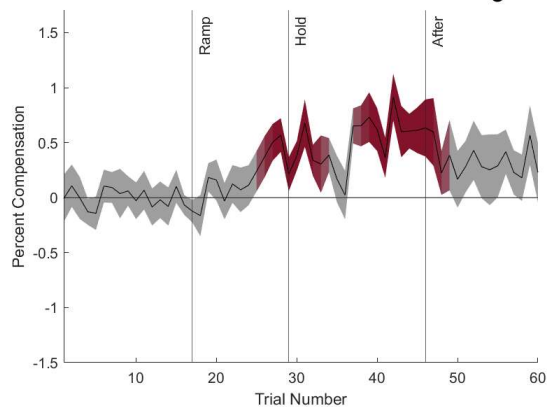
Study 08:



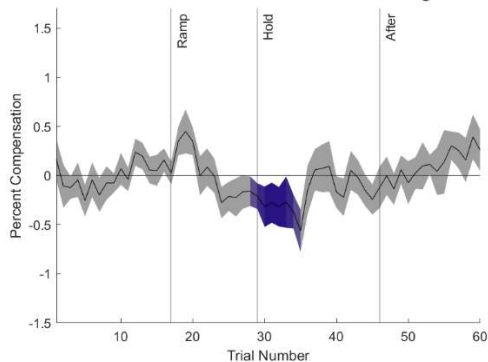
Adaptive f_0 YA:

Study 02:

Study-02 Down Shift: Adaptive f_0 YA

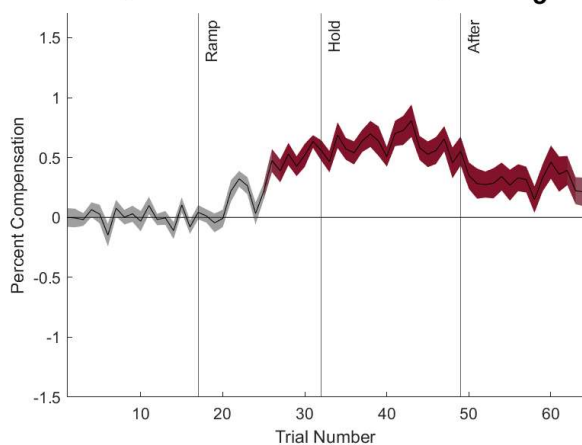


Study-02 Up Shift: Adaptive f_0 YA



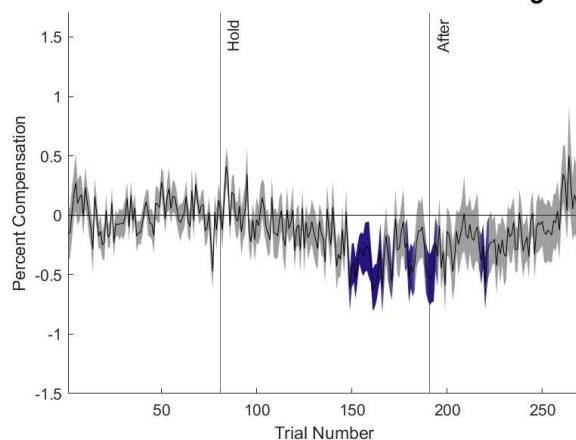
Study 21:

Study-21 Down Shift: Adaptive f_0 YA

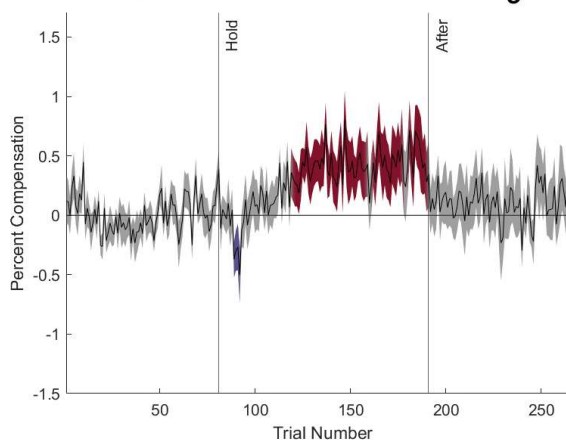


Study 22:

Study-22 Down Shift: Adaptive f_0 YA



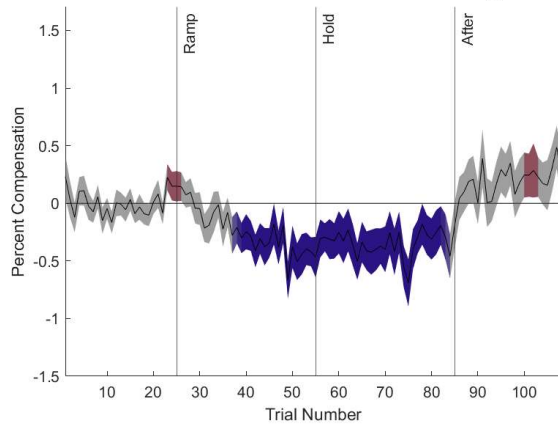
Study-22 Up Shift: Adaptive f_0 YA



Adaptive f_0 OA:

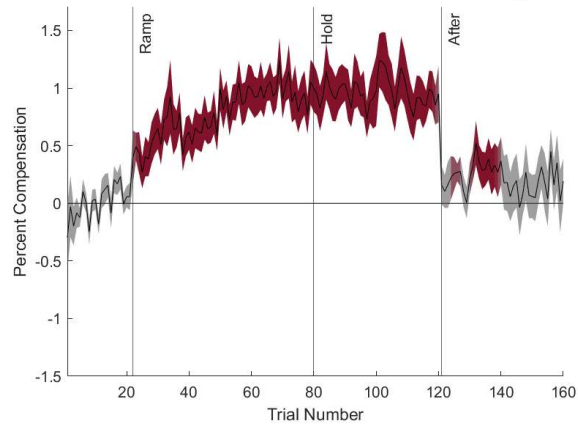
Study 01:

Study-01 Up Shift: Adaptive f_0 OA

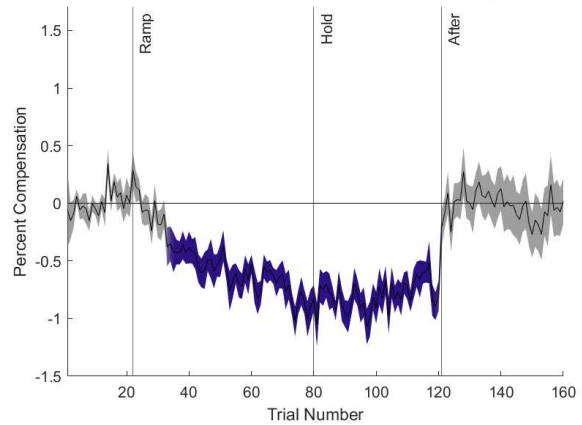


Study 16:

Study-16 Down Shift: Adaptive f_0 OA



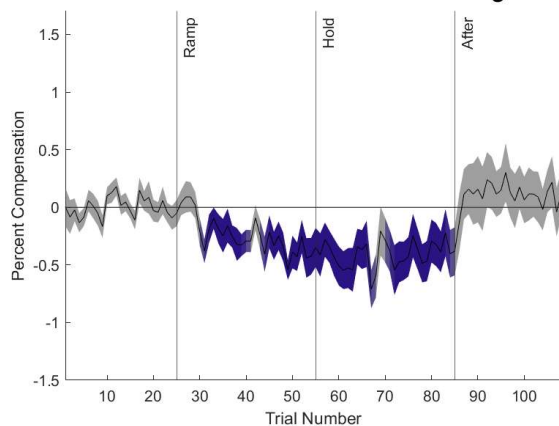
Study-16 Up Shift: Adaptive f_0 OA



Adaptive f_0 PD:

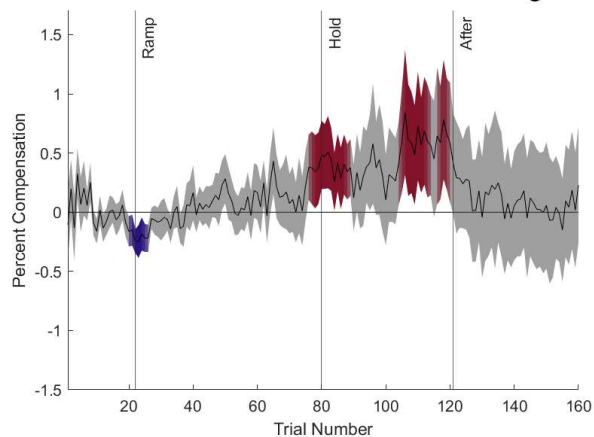
Study 01:

Study-01 Up Shift: Adaptive f_0 PD

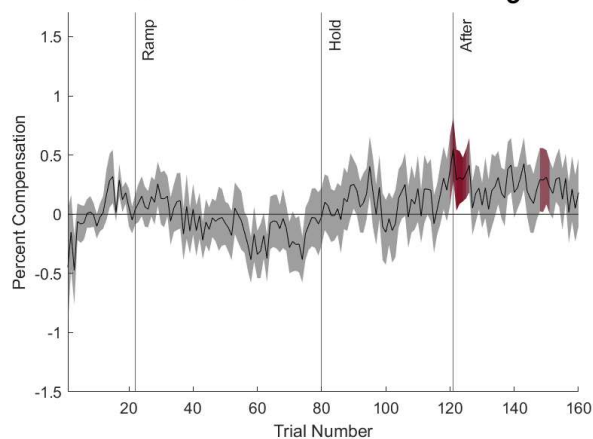


Study 16:

Study-16 Down Shift: Adaptive f_0 PD

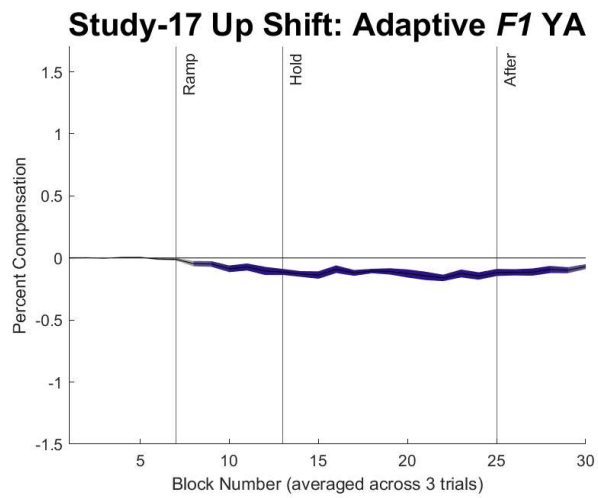


Study-16 Up Shift: Adaptive f_0 PD

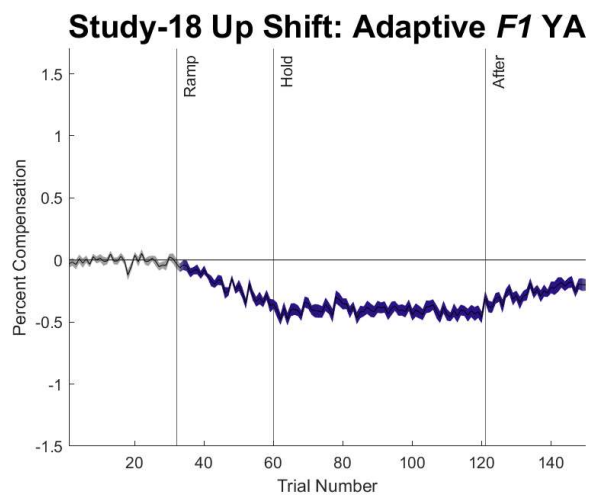


Adaptive F1 YA:

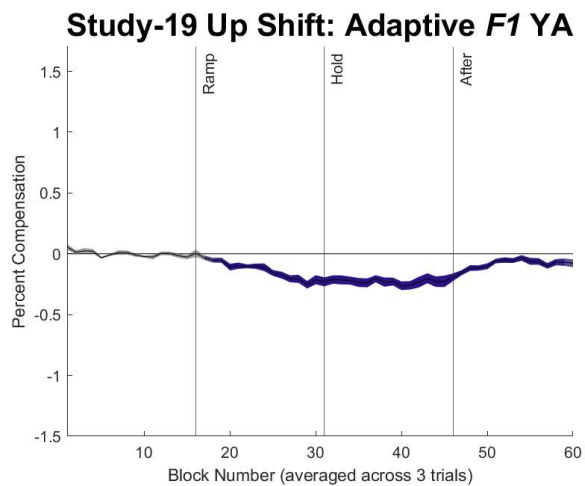
Study 17:



Study 18:

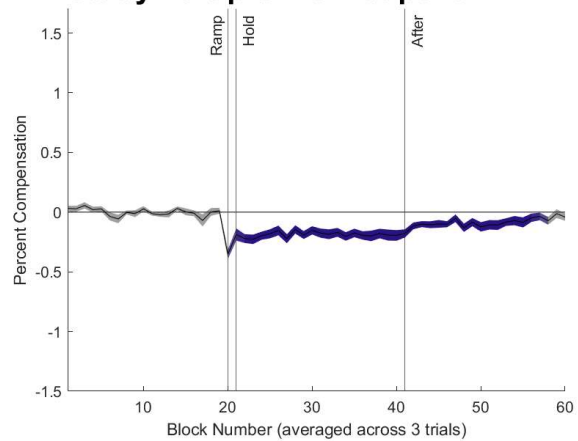


Study 19:



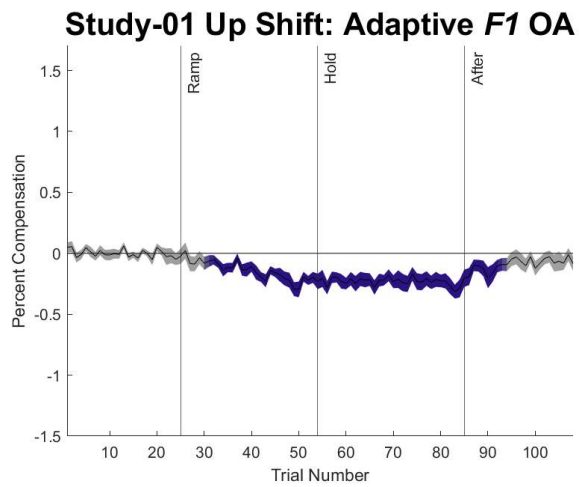
Study 20:

Study-20 Up Shift: Adaptive *F1* YA

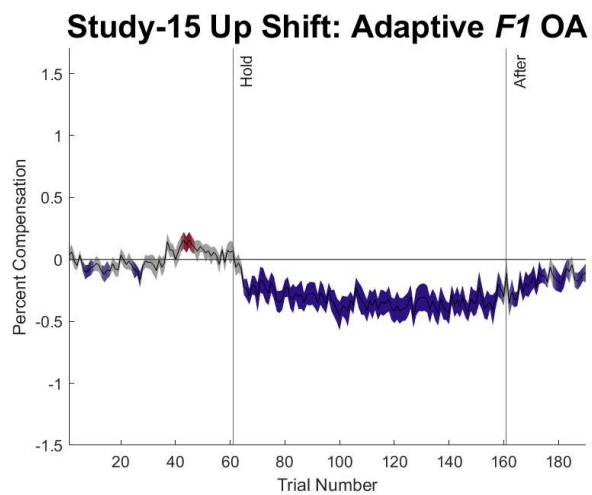


Adaptive *F1* OA:

Study 01:



Study 15:



Adaptive F1 PD:

Study 01:

