```
log_{i}=\{***Note: Values for generating these plots are embedded within the raw data set,
    which is too large to upload onto the public data repository***)
In[*]:= v1Color = RGBColor["#ff1f5b"];
In[*]:= lpColor = RGBColor["#009ade"];
Info]:= lmColor = RGBColor["#f28522"];
/// i= controlColor = Black;
In[*]:= dateMouseListControl = {{"012122", "Mouse22550"}, {"012822", "Mouse22549"},
        {"121621", "Mouse22525"}, {"121721", "Mouse22599"}, {"011122", "Mouse22598"},
        {"032923", "Mouse23149"}, {"033023", "Mouse23128"}, {"033123", "Mouse23149"},
        {"070323", "Mouse23149"}, {"070423", "Mouse23128"}, {"070723", "Mouse23128"}};
In[*]:= (***V1 axons, eOPN3***)
Inf | ]:= dateMouseListV1axons =
       {{"012722", "Mouse22504"}, {"121821", "Mouse22485"}, {"062723", "Mouse23154"},
        {"062723", "Mouse23182"}, {"063023", "Mouse23154"}, {"063023", "Mouse23182"}};
In[*]:= (***LP axons, e0PN3***)
/// li= dateMouseListLPaxons =
       {{"050123", "Mouse23133"}, {"050123", "Mouse23142"}, {"050323", "Mouse23133"},
        {"050323", "Mouse23142"}, {"051823", "Mouse23198"}, {"052623", "Mouse23198"},
        {"052623", "Mouse23105"}, {"062923", "Mouse23139"}, {"070223", "Mouse23139"}};
In[*]:= (***LM axons, eOPN3***)
In[*]:= dateMouseListLMaxons =
       {{"062623", "Mouse23152"}, {"062823", "Mouse23152"}, {"062923", "Mouse23190"},
        {"070123", "Mouse23190"}, {"070723", "Mouse23666"}, {"071223", "Mouse23666"}};
     (*************
In[*]:= pairedROIsListControl =
      Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208 2PRig/",
           dateMouseListControl[[n, 1]], "/", dateMouseListControl[[n, 2]],
           "/PairedAnalysis/", dateMouseListControl[[n, 1]], "_", dateMouseListControl[[n, 2]],
           "_pairedROIsPupil.txt"], "List"], {n, 1, Length[dateMouseListControl]}];
In[*]:= pairedROIsListV1axons =
      Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
           dateMouseListV1axons[[n, 1]], "/", dateMouseListV1axons[[n, 2]],
           "/PairedAnalysis/", dateMouseListV1axons[[n, 1]], "_", dateMouseListV1axons[[n, 2]],
           "_pairedROIsPupil.txt"], "List"], {n, 1, Length[dateMouseListV1axons]}];
In[*]:= pairedROIsListLPaxons =
      Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
           dateMouseListLPaxons[[n, 1]], "/", dateMouseListLPaxons[[n, 2]],
           "/PairedAnalysis/", dateMouseListLPaxons[[n, 1]], "_", dateMouseListLPaxons[[n, 2]],
           "_pairedROIsPupil.txt"], "List"], {n, 1, Length[dateMouseListLPaxons]}];
```

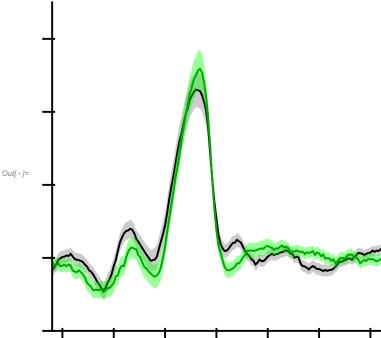
```
In[*]:= pairedROIsListLMaxons =
      Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
           dateMouseListLMaxons[[n, 1]], "/", dateMouseListLMaxons[[n, 2]],
           "/PairedAnalysis/", dateMouseListLMaxons[[n, 1]], "_", dateMouseListLMaxons[[n, 2]],
           "_pairedROIsPupil.txt"], "List"], {n, 1, Length[dateMouseListLMaxons]}];
     (************)
In[*]:= whiskerCCControlDark =
      Table [Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
            dateMouseListControl[[n, 1]], "/", dateMouseListControl[[n, 2]], "/", "Session1",
            "/WhiskerData/", dateMouseListControl[[n, 1]], "_", dateMouseListControl[[n, 2]],
            "_", "Session1", "_", "dFFwhiskCrossCorr_ROI", ToString[roi], ".txt"], "List"],
         {roi, pairedROIsListControl[[n]]}], {n, 1, Length[dateMouseListControl]}];
Inf • ]:= whiskerCCControlLED =
      Table [Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
            dateMouseListControl[[n, 1]], "/", dateMouseListControl[[n, 2]], "/", "Session2",
            "/WhiskerData/", dateMouseListControl[[n, 1]], "_", dateMouseListControl[[n, 2]],
            "_", "Session2", "_", "dFFwhiskCrossCorr_ROI", ToString[roi], ".txt"], "List"],
         {roi, pairedROIsListControl[[n]]}], {n, 1, Length[dateMouseListControl]}];
/// // whiskerCCV1axonsDark =
      Table [Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
            dateMouseListV1axons[[n, 1]], "/", dateMouseListV1axons[[n, 2]], "/", "Session1",
            "/WhiskerData/", dateMouseListV1axons[[n, 1]], "_", dateMouseListV1axons[[n, 2]],
            "_", "Session1", "_", "dFFwhiskCrossCorr_ROI", ToString[roi], ".txt"], "List"],
         {roi, pairedROIsListV1axons[[n]]}], {n, 1, Length[dateMouseListV1axons]}];
/// // // whiskerCCV1axonsLED =
      Table [Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
            dateMouseListV1axons[[n, 1]], "/", dateMouseListV1axons[[n, 2]], "/", "Session2",
            "/WhiskerData/", dateMouseListV1axons[[n, 1]], "_", dateMouseListV1axons[[n, 2]],
            "_", "Session2", "_", "dFFwhiskCrossCorr_ROI", ToString[roi], ".txt"], "List"],
         {roi, pairedROIsListV1axons[[n]]}], {n, 1, Length[dateMouseListV1axons]}];
/// // whiskerCCLPaxonsDark =
      Table [Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208 2PRig/",
            dateMouseListLPaxons[[n, 1]], "/", dateMouseListLPaxons[[n, 2]], "/", "Session1",
            "/WhiskerData/", dateMouseListLPaxons[[n, 1]], "_", dateMouseListLPaxons[[n, 2]],
            "_", "Session1", "_", "dFFwhiskCrossCorr_ROI", ToString[roi], ".txt"], "List"],
         {roi, pairedROIsListLPaxons[[n]]}], {n, 1, Length[dateMouseListLPaxons]}];
In[*]:= whiskerCCLPaxonsLED =
       Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
            dateMouseListLPaxons[[n, 1]], "/", dateMouseListLPaxons[[n, 2]], "/", "Session2",
            "/WhiskerData/", dateMouseListLPaxons[[n, 1]], "_", dateMouseListLPaxons[[n, 2]],
            "_", "Session2", "_", "dFFwhiskCrossCorr_ROI", ToString[roi], ".txt"], "List"],
         {roi, pairedROIsListLPaxons[[n]]}], {n, 1, Length[dateMouseListLPaxons]}];
```

```
In[*]:= whiskerCCLMaxonsDark =
       Table [Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
             dateMouseListLMaxons[[n, 1]], "/", dateMouseListLMaxons[[n, 2]], "/", "Session1",
             "/WhiskerData/", dateMouseListLMaxons[[n, 1]], "_", dateMouseListLMaxons[[n, 2]],
             "_", "Session1", "_", "dFFwhiskCrossCorr_ROI", ToString[roi], ".txt"], "List"],
         {roi, pairedROIsListLMaxons[[n]]}], {n, 1, Length[dateMouseListLMaxons]}];
In[*]:= whiskerCCLMaxonsLED =
       Table [Table [ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
             dateMouseListLMaxons[[n, 1]], "/", dateMouseListLMaxons[[n, 2]], "/", "Session2",
             "/WhiskerData/", dateMouseListLMaxons[[n, 1]], "_", dateMouseListLMaxons[[n, 2]],
             "_", "Session2", "_", "dFFwhiskCrossCorr_ROI", ToString[roi], ".txt"], "List"],
         {roi, pairedROIsListLMaxons[[n]]}], {n, 1, Length[dateMouseListLMaxons]}];
In[@]:= catenatedWhiskCCControlDark = Flatten[whiskerCCControlDark, 1];
In[*]: catenatedWhiskCCControlLED = Flatten[whiskerCCControlLED, 1];
In[e]:= catenatedWhiskCCV1axonsDark = Flatten[whiskerCCV1axonsDark, 1];
ln[*]: catenatedWhiskCCV1axonsLED = Flatten[whiskerCCV1axonsLED, 1];
Infe := catenatedWhiskCCLPaxonsDark = Flatten[whiskerCCLPaxonsDark, 1];
In[*]: catenatedWhiskCCLPaxonsLED = Flatten[whiskerCCLPaxonsLED, 1];
Infe := catenatedWhiskCCLMaxonsDark = Flatten[whiskerCCLMaxonsDark, 1];
ln[*]:= catenatedWhiskCCLMaxonsLED = Flatten[whiskerCCLMaxonsLED, 1];
In[*]:= (***********)
In[ • ]:= (***)
Info |:= meanCatenatedWhiskCCControlDark = Mean[catenatedWhiskCCControlDark];
ln[*]:= semCatenatedWhiskCCControlDark = (\#/Sqrt@Length[catenatedWhiskCCControlDark]) & /@
        StandardDeviation[catenatedWhiskCCControlDark];
In[ • ]:= (***)
ln[*]: meanCatenatedWhiskCCV1axonsDark = Mean[catenatedWhiskCCV1axonsDark];
ln[\cdot]:= semCatenatedWhiskCCV1axonsDark = (\#/Sqrt@Length[catenatedWhiskCCV1axonsDark]) & /@
        StandardDeviation[catenatedWhiskCCV1axonsDark];
In[ • ]:= ( * * * )
In[=]:= meanCatenatedWhiskCCLPaxonsDark = Mean[catenatedWhiskCCLPaxonsDark];
ln[\cdot] = semCatenatedWhiskCCLPaxonsDark = (#/Sqrt@Length[catenatedWhiskCCLPaxonsDark]) & /@
        StandardDeviation[catenatedWhiskCCLPaxonsDark];
In[ • ]:= ( * * * )
In[e]:= meanCatenatedWhiskCCLMaxonsDark = Mean[catenatedWhiskCCLMaxonsDark];
```

```
m[\cdot] = semCatenatedWhiskCCLMaxonsDark = (#/Sqrt@Length[catenatedWhiskCCLMaxonsDark]) & /@
        StandardDeviation[catenatedWhiskCCLMaxonsDark];
In[ • ]:= (***)
ln[*]:= meanCatenatedWhiskCCControlLED = Mean[catenatedWhiskCCControlLED];
l_{m[x]} = semCatenatedWhiskCCControlLED = (#/Sqrt@Length[catenatedWhiskCCControlLED]) & /@
        StandardDeviation[catenatedWhiskCCControlLED];
In[ • ]:= (***)
ln[-]:= meanCatenatedWhiskCCV1axonsLED = Mean[catenatedWhiskCCV1axonsLED];
m_{[-]} = semCatenatedWhiskCCV1axonsLED = (#/Sqrt@Length[catenatedWhiskCCV1axonsLED]) & /@
        StandardDeviation[catenatedWhiskCCV1axonsLED];
In[ • ]:= (***)
ln[*]:= meanCatenatedWhiskCCLPaxonsLED = Mean[catenatedWhiskCCLPaxonsLED];
ln[\cdot]:= semCatenatedWhiskCCLPaxonsLED = (\#/Sqrt@Length[catenatedWhiskCCLPaxonsLED]) & /@
        StandardDeviation[catenatedWhiskCCLPaxonsLED];
In[ • ]:= (***)
In[=]:= meanCatenatedWhiskCCLMaxonsLED = Mean[catenatedWhiskCCLMaxonsLED];
m[\cdot]:= semCatenatedWhiskCCLMaxonsLED = (\#/Sqrt@Length[catenatedWhiskCCLMaxonsLED]) & /@
        StandardDeviation[catenatedWhiskCCLMaxonsLED];
In[*]:= (***********)
```

```
In[@]:= Show[ListLinePlot[{Part[#, 2] & /@meanCatenatedWhiskCCControlDark,
                          Part[#, 2] & /@ meanCatenatedWhiskCCControlDark +
                               (Part[#, 2] & /@ semCatenatedWhiskCCControlDark),
                          Part[#, 2] & /@ meanCatenatedWhiskCCControlDark -
                              (Part[#, 2] & /@ semCatenatedWhiskCCControlDark) }, Filling →
                           \{1 \rightarrow \{\{2\}, Directive[Opacity[0.4], Gray]\}, 1 \rightarrow \{\{3\}, Directive[Opacity[0.4], Gray]\}\},
                       PlotStyle → {{Black, Thickness[0.006]}, Transparent, Transparent},
                       DataRange \rightarrow {-8, 8}, PlotRange \rightarrow {{-8, 8}, {-0.02, 0.07}}, FrameTicks \rightarrow
                           {{LinTicks[-0.02, 0.07, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None},
                              \{ \texttt{LinTicks[-8, 8, MajorTickLength} \rightarrow \{0, .03\}, \texttt{MinorTickLength} \rightarrow \{0, 0\}], \texttt{None} \} \},
                        \textbf{Axes} \rightarrow \textbf{False}, \ \textbf{TicksStyle} \rightarrow \textbf{Thick}, \ \textbf{FrameStyle} \rightarrow \textbf{Thick}, \ \textbf{Frame} \rightarrow \{\{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ 
                       FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]],
                   ListLinePlot[{Part[#, 2] & /@ meanCatenatedWhiskCCControlLED,
                          Part[#, 2] & /@ meanCatenatedWhiskCCControlLED +
                               (Part[#, 2] & /@ semCatenatedWhiskCCControlLED),
                          Part[#, 2] & /@ meanCatenatedWhiskCCControlLED -
                               (Part[#, 2] & /@ semCatenatedWhiskCCControlLED) }, Filling →
                          \{1 \rightarrow \{\{2\}, Directive[Opacity[0.4], Green]\}, 1 \rightarrow \{\{3\}, Directive[Opacity[0.4], Green]\}\},
                       PlotStyle → {{Darker@Green, Thickness[0.006]}, Transparent, Transparent},
                       DataRange \rightarrow {-8, 8}, PlotRange \rightarrow {{-8, 8}, {-0.02, 0.07}}, FrameTicks \rightarrow
                          {{LinTicks[-0.02, 0.07, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None},
                               {LinTicks[-8, 8, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
                       Axes → False, TicksStyle → Thick, FrameStyle → Thick, Frame → {{True, None}, {True, None}},
                       FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0], AspectRatio \rightarrow 1
Out[ • ]=
```

```
In[@]:= Show[ListLinePlot[{Part[#, 2] & /@meanCatenatedWhiskCCV1axonsDark,
                        Part[#, 2] & /@ meanCatenatedWhiskCCV1axonsDark +
                            (Part[#, 2] & /@ semCatenatedWhiskCCV1axonsDark),
                        Part[#, 2] & /@ meanCatenatedWhiskCCV1axonsDark -
                            (Part[#, 2] & /@ semCatenatedWhiskCCV1axonsDark)}, Filling →
                         \{1 \rightarrow \{\{2\}, Directive[Opacity[0.4], Gray]\}, 1 \rightarrow \{\{3\}, Directive[Opacity[0.4], Gray]\}\},
                     PlotStyle → {{Black, Thickness[0.006]}, Transparent, Transparent},
                     DataRange \rightarrow {-8, 8}, PlotRange \rightarrow {{-8, 8}, {-0.02, 0.07}}, FrameTicks \rightarrow
                         {{LinTicks[-0.02, 0.07, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None},
                            {LinTicks[-8, 8, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None}},
                      \textbf{Axes} \rightarrow \textbf{False}, \ \textbf{TicksStyle} \rightarrow \textbf{Thick}, \ \textbf{FrameStyle} \rightarrow \textbf{Thick}, \ \textbf{Frame} \rightarrow \{\{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ 
                     FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]],
                 ListLinePlot[{Part[#, 2] & /@ meanCatenatedWhiskCCV1axonsLED,
                        Part[#, 2] & /@ meanCatenatedWhiskCCV1axonsLED +
                             (Part[#, 2] & /@ semCatenatedWhiskCCV1axonsLED),
                        Part[#, 2] & /@ meanCatenatedWhiskCCV1axonsLED -
                             (Part[#, 2] & /@ semCatenatedWhiskCCV1axonsLED) }, Filling →
                        \{1 \rightarrow \{\{2\}, Directive[Opacity[0.4], Green]\}, 1 \rightarrow \{\{3\}, Directive[Opacity[0.4], Green]\}\},
                     PlotStyle → {{Darker@Green, Thickness[0.006]}, Transparent, Transparent},
                     DataRange \rightarrow {-8, 8}, PlotRange \rightarrow {{-8, 8}, {-0.02, 0.07}}, FrameTicks \rightarrow
                        {{LinTicks[-0.02, 0.07, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None},
                            {LinTicks[-8, 8, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
                     Axes → False, TicksStyle → Thick, FrameStyle → Thick, Frame → {{True, None}}, {True, None}},
                     FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0], AspectRatio \rightarrow 1
```



```
In[@]:= Show[ListLinePlot[{Part[#, 2] & /@meanCatenatedWhiskCCLPaxonsDark,
         Part[#, 2] & /@ meanCatenatedWhiskCCLPaxonsDark +
          (Part[#, 2] & /@ semCatenatedWhiskCCLPaxonsDark),
         Part[#, 2] & /@ meanCatenatedWhiskCCLPaxonsDark -
          (Part[#, 2] & /@ semCatenatedWhiskCCLPaxonsDark) }, Filling →
         \{1 \rightarrow \{\{2\}, Directive[Opacity[0.4], Gray]\}, 1 \rightarrow \{\{3\}, Directive[Opacity[0.4], Gray]\}\},
       PlotStyle → {{Black, Thickness[0.006]}, Transparent, Transparent},
       DataRange \rightarrow {-8, 8}, PlotRange \rightarrow {{-8, 8}, {-0.02, 0.07}}, FrameTicks \rightarrow
         {{LinTicks[-0.02, 0.07, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None},
          \{ \texttt{LinTicks[-8, 8, MajorTickLength} \rightarrow \{0, .03\}, \texttt{MinorTickLength} \rightarrow \{0, 0\}], \texttt{None} \} \},
       Axes → False, TicksStyle → Thick, FrameStyle → Thick, Frame → {{True, None}}, {True, None}},
       FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]],
      ListLinePlot[{Part[#, 2] & /@ meanCatenatedWhiskCCLPaxonsLED,
         Part[#, 2] & /@ meanCatenatedWhiskCCLPaxonsLED +
          (Part[#, 2] & /@ semCatenatedWhiskCCLPaxonsLED),
         Part[#, 2] & /@ meanCatenatedWhiskCCLPaxonsLED -
          (Part[#, 2] & /@ semCatenatedWhiskCCLPaxonsLED) }, Filling →
         \{1 \rightarrow \{\{2\}, Directive[Opacity[0.4], Green]\}, 1 \rightarrow \{\{3\}, Directive[Opacity[0.4], Green]\}\},
       PlotStyle → {{Darker@Green, Thickness[0.006]}, Transparent, Transparent},
       DataRange \rightarrow {-8, 8}, PlotRange \rightarrow {{-8, 8}, {-0.02, 0.07}}, FrameTicks \rightarrow
         {{LinTicks[-0.02, 0.07, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None},
          {LinTicks[-8, 8, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
       Axes → False, TicksStyle → Thick, FrameStyle → Thick, Frame → {{True, None}, {True, None}},
       FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0], AspectRatio \rightarrow 1
```

Out[•]=

```
In[@]:= Show[ListLinePlot[{Part[#, 2] & /@meanCatenatedWhiskCCLMaxonsDark,
                        Part[#, 2] & /@ meanCatenatedWhiskCCLMaxonsDark +
                            (Part[#, 2] & /@ semCatenatedWhiskCCLMaxonsDark),
                        Part[#, 2] & /@ meanCatenatedWhiskCCLMaxonsDark -
                            (Part[#, 2] & /@ semCatenatedWhiskCCLMaxonsDark)}, Filling →
                         \{1 \rightarrow \{\{2\}, Directive[Opacity[0.4], Gray]\}, 1 \rightarrow \{\{3\}, Directive[Opacity[0.4], Gray]\}\},
                     PlotStyle → {{Black, Thickness[0.006]}, Transparent, Transparent},
                     DataRange \rightarrow {-8, 8}, PlotRange \rightarrow {{-8, 8}, {-0.02, 0.07}}, FrameTicks \rightarrow
                         {{LinTicks[-0.02, 0.07, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None},
                            {LinTicks[-8, 8, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None}},
                      \textbf{Axes} \rightarrow \textbf{False}, \ \textbf{TicksStyle} \rightarrow \textbf{Thick}, \ \textbf{FrameStyle} \rightarrow \textbf{Thick}, \ \textbf{Frame} \rightarrow \{\{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ \{\textbf{True}, \textbf{None}\}\}, \ \{\textbf{True}, \textbf{None}\}, \ 
                     FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]],
                 ListLinePlot[{Part[#, 2] & /@ meanCatenatedWhiskCCLMaxonsLED,
                        Part[#, 2] & /@ meanCatenatedWhiskCCLMaxonsLED +
                             (Part[#, 2] & /@ semCatenatedWhiskCCLMaxonsLED),
                        Part[#, 2] & /@ meanCatenatedWhiskCCLMaxonsLED -
                             (Part[#, 2] & /@ semCatenatedWhiskCCLMaxonsLED) }, Filling →
                        \{1 \rightarrow \{\{2\}, Directive[Opacity[0.4], Green]\}, 1 \rightarrow \{\{3\}, Directive[Opacity[0.4], Green]\}\},
                     PlotStyle → {{Darker@Green, Thickness[0.006]}, Transparent, Transparent},
                     DataRange \rightarrow {-8, 8}, PlotRange \rightarrow {{-8, 8}, {-0.02, 0.07}}, FrameTicks \rightarrow
                        {{LinTicks[-0.02, 0.07, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None},
                            {LinTicks[-8, 8, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
                     Axes → False, TicksStyle → Thick, FrameStyle → Thick, Frame → {{True, None}, {True, None}},
                     FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0], AspectRatio \rightarrow 1
```

