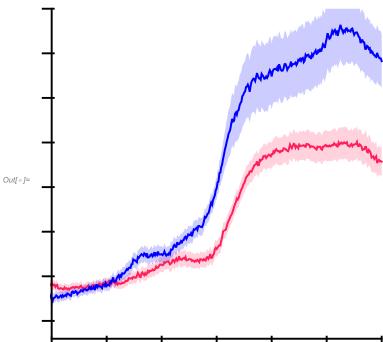
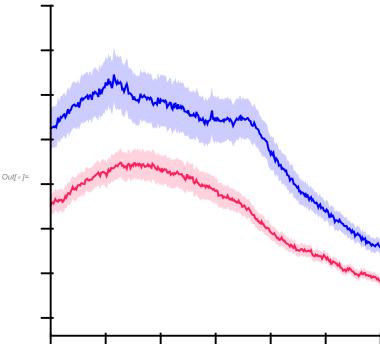
```
In[*]:= ccColor = RGBColor["#ff1f5b"];
// Inf * ]:= ctColor = Blue;
In[*]:= (***********************************
    dateMouseSessionListV1CC = {{"051623", "Mouse23112", "Session1"},
       {"051723", "Mouse23112", "Session1"}, {"051623", "Mouse23166", "Session1"},
        \{ \verb"051723", \verb"Mouse23166", \verb"Session1" \}, \{ \verb"043023", \verb"Mouse23184", \verb"Session1" \}, \} 
       {"050123", "Mouse23184", "Session1"}, {"050423", "Mouse23184", "Session1"},
       {"052523", "Mouse23158", "Session1"}, {"052923", "Mouse23158", "Session1"}};
    dateMouseSessionListV1CT = {{"041823", "Mouse21531", "Session1"},
       {"041923", "Mouse21531", "Session1"}, {"041823", "Mouse23138", "Session1"},
       {"041923", "Mouse23138", "Session1"}, {"042023", "Mouse23138", "Session1"},
       {"050523", "Mouse23195", "Session1"}, {"051723", "Mouse21532", "Session1"},
       {"051823", "Mouse21532", "Session1"}, {"052523", "Mouse23195", "Session1"}};
    meanDFFzOnsetV1CC = ToExpression /@
       Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CC/ValuesForPlotting/
          meanDFFzTraceOnset V1CC nonDupROIs.txt", "List"];
    semDFFzOnsetV1CC = ToExpression /@
       Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CC/ValuesForPlotting/
          semDFFzTraceOnset V1CC nonDupROIs.txt", "List"];
    meanDFFzOffsetV1CC = ToExpression /@
       Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CC/ValuesForPlotting/
          meanDFFzTraceOffset V1CC nonDupROIs.txt", "List"];
    semDFFzOffsetV1CC = ToExpression /@
       Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CC/ValuesForPlotting/
          semDFFzTraceOffset_V1CC_nonDupROIs.txt", "List"];
    meanDFFzOnsetV1CT = ToExpression /@
       Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CT/ValuesForPlotting/
          meanDFFzTraceOnset_V1CT_nonDupROIs.txt", "List"];
    semDFFzOnsetV1CT = ToExpression /@
       Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CT/ValuesForPlotting/
          semDFFzTraceOnset_V1CT_nonDupROIs.txt", "List"];
    meanDFFzOffsetV1CT = ToExpression /@
       Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CT/ValuesForPlotting/
          meanDFFzTraceOffset_V1CT_nonDupROIs.txt", "List"];
    semDFFzOffsetV1CT = ToExpression /@
       Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CT/ValuesForPlotting/
          semDFFzTraceOffset_V1CT_nonDupR0Is.txt", "List"];
```

```
In[*]:= ListLinePlot[{Part[#, 2] & /@meanDFFzOnsetV1CC,
        Part[#, 2] & /@ meanDFFzOnsetV1CC + (Part[#, 2] & /@ semDFFzOnsetV1CC),
        Part[#, 2] & /@ meanDFFzOnsetV1CC - (Part[#, 2] & /@ semDFFzOnsetV1CC),
        Part[#, 2] & /@ meanDFFzOnsetV1CT,
        Part[#, 2] & /@ meanDFFzOnsetV1CT + (Part[#, 2] & /@ semDFFzOnsetV1CT),
        Part[#, 2] & /@ meanDFFzOnsetV1CT - (Part[#, 2] & /@ semDFFzOnsetV1CT) },
      Filling \rightarrow \{1 \rightarrow \{\{2\}, Directive[Opacity[0.2], ccColor]\},\
         1 \rightarrow \{\{3\}, Directive[Opacity[0.2], ccColor]\}, 4 \rightarrow
          {{5}, Directive[Opacity[0.2], ctColor]}, 4 → {{6}, Directive[Opacity[0.2], ctColor]}},
      PlotStyle → {{ccColor, Thickness[0.006]}, Transparent, Transparent,
         {ctColor, Thickness[0.006]}, Transparent, Transparent},
      DataRange \rightarrow {-15, 6}, PlotRange \rightarrow {-6, 6}, {-0.2, 3.5}}, FrameTicks \rightarrow
        {\{\text{LinTicks}[-0.2, 3.5, MajorTickLength} \rightarrow \{0, .03\}, MinorTickLength} \rightarrow \{0, 0\}\}, None\},
         {LinTicks[-6, 6, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None}},
      Axes → False, TicksStyle → Thick, FrameStyle → Thick,
      Frame \rightarrow {{True, None}, {True, None}}, AspectRatio \rightarrow 1,
      FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]
```



```
In[*]:= ListLinePlot[{Part[#, 2] & /@meanDFFzOffsetV1CC,
       Part[#, 2] & /@ meanDFFzOffsetV1CC + (Part[#, 2] & /@ semDFFzOffsetV1CC),
       Part[#, 2] & /@ meanDFFzOffsetV1CC - (Part[#, 2] & /@ semDFFzOffsetV1CC),
       Part[#, 2] & /@ meanDFFzOffsetV1CT,
       Part[#, 2] & /@ meanDFFzOffsetV1CT + (Part[#, 2] & /@ semDFFzOffsetV1CT),
       Part[#, 2] & /@ meanDFFzOffsetV1CT - (Part[#, 2] & /@ semDFFzOffsetV1CT) },
      Filling \rightarrow \{1 \rightarrow \{\{2\}, Directive[Opacity[0.2], ccColor]\},\
         1 \rightarrow \{\{3\}, Directive[Opacity[0.2], ccColor]\}, 4 \rightarrow
          {{5}, Directive[Opacity[0.2], ctColor]}, 4 → {{6}, Directive[Opacity[0.2], ctColor]}},
      PlotStyle → {{ccColor, Thickness[0.006]}, Transparent, Transparent,
         {ctColor, Thickness[0.006]}, Transparent, Transparent},
      DataRange \rightarrow {-6, 15}, PlotRange \rightarrow {-6, 6}, {-0.2, 3.5}}, FrameTicks \rightarrow
        {\{\text{LinTicks}[-0.2, 3.5, MajorTickLength} \rightarrow \{0, .03\}, MinorTickLength} \rightarrow \{0, 0\}\}, None\},
         {LinTicks[-6, 6, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}], None}},
      Axes → False, TicksStyle → Thick, FrameStyle → Thick,
      Frame → {{True, None}, {True, None}}, AspectRatio → 1,
      FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]
```



```
In[*]:= ListLinePlot[{Part[#, 2] & /@meanDFFzOffsetV1CC,
       Part[#, 2] & /@ meanDFFzOffsetV1CC + (Part[#, 2] & /@ semDFFzOffsetV1CC),
       Part[#, 2] & /@ meanDFFzOffsetV1CC - (Part[#, 2] & /@ semDFFzOffsetV1CC),
       Part[#, 2] & /@ meanDFFzOffsetV1CT,
       Part[#, 2] & /@ meanDFFzOffsetV1CT + (Part[#, 2] & /@ semDFFzOffsetV1CT),
       Part[#, 2] & /@ meanDFFzOffsetV1CT - (Part[#, 2] & /@ semDFFzOffsetV1CT) },
      Filling \rightarrow \{1 \rightarrow \{\{2\}, Directive[Opacity[0.2], ccColor]\},\
        1 \rightarrow \{\{3\}, Directive[Opacity[0.2], ccColor]\}, 4 \rightarrow
          {{5}, Directive[Opacity[0.2], ctColor]}, 4 → {{6}, Directive[Opacity[0.2], ctColor]}},
      PlotStyle → {{ccColor, Thickness[0.006]}, Transparent, Transparent,
         {ctColor, Thickness[0.006]}, Transparent, Transparent},
      DataRange \rightarrow {-6, 15}, PlotRange \rightarrow {{3, 15}, {-0.2, 3.5}}, FrameTicks \rightarrow
       {\{\text{LinTicks}[-0.2, 3.5, MajorTickLength} \rightarrow \{0, .03\}, MinorTickLength} \rightarrow \{0, 0\}\}, None\},
        {LinTicks[3, 15, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
      Axes → False, TicksStyle → Thick, FrameStyle → Thick,
      Frame \rightarrow {{True, None}, {True, None}}, AspectRatio \rightarrow 1,
      FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]
In[@]:= (***Import overall loc mod values***)
     locModValsV1CC = ToExpression /@
        Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CC/ValuesForPlotting/
            locModIndexSummVals_V1CC_nonDupROIs.txt", "List"];
     locModValsV1CT = ToExpression /@
        Import["F:/FigureGeneration/FigureS4/FigureS4Data/V1CT/ValuesForPlotting/
            locModIndexSummVals_V1CT_nonDupROIs.txt", "List"];
```

```
ccAxonCharts =
       Show[BoxWhiskerChart[locModValsV1CC, {{"Whiskers", Directive[Darker@ccColor, Thick]},
           {"Fences", Directive[Darker@ccColor, Thick]},
           {"MedianMarker", Directive[Darker@ccColor, Thickness[0.009]]}},
         PlotRange → {All, {-1.2, 1}}, ChartStyle → Directive[ccColor, Opacity[0.3]],
         Frame → False], DistributionChart[locModValsV1CC, PlotRange → {All, {-1.2, 1}},
         ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], ccColor], Frame → False],
        FrameTicks \rightarrow {{LinTicks[-1.2, 1, MajorTickLength \rightarrow {0, .03}, MinorTickLength \rightarrow {0, 0}],
            None}, {None, None}}, Axes → False, TicksStyle → Thick,
        FrameStyle → Directive[Transparent, Thick], Frame → {{True, None}, {None, None}},
        FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]];
     ctAxonCharts =
       Show[BoxWhiskerChart[locModValsV1CT, {{"Whiskers", Directive[Darker@ctColor, Thick]},
           {"Fences", Directive[Darker@ctColor, Thick]},
           {"MedianMarker", Directive[Darker@ctColor, Thickness[0.009]]}},
         PlotRange → {All, {-1.2, 1}}, ChartStyle → Directive[ctColor, Opacity[0.3]],
         Frame → False], DistributionChart[locModValsV1CT, PlotRange → {All, {-1.2, 1}},
         ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], ctColor], Frame → False],
        FrameTicks → {{LinTicks[-1.2, 1, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}],
            None}, {None, None}}, Axes → False, TicksStyle → Thick,
        FrameStyle → Directive[Transparent, Thick], Frame → {{True, None}, {None, None}},
        FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]];
     transp =
       Show[BoxWhiskerChart[locModValsV1CT, {{"Whiskers", Directive[Transparent, Thick]},
           {"Fences", Directive[Transparent, Thick]},
           {"MedianMarker", Directive[Transparent, Thickness[0.009]]}},
         PlotRange → {All, {-1.2, 1}}, ChartStyle → Transparent, Frame → False],
        DistributionChart[locModValsV1CT, PlotRange → {All, {-1.2, 1}}, ChartStyle →
          Directive[EdgeForm[Transparent], Opacity[0.2], Transparent], Frame → False],
        FrameTicks → {{LinTicks[-1.2, 1, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}],
            None}, {None, None}}, Axes → False, TicksStyle → Thick,
        FrameStyle → Directive[Black, Thick], Frame → {{True, None}, {None, None}},
        FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]];
In[*]:= GraphicsRow[{ccAxonCharts, ctAxonCharts, transp}, Spacings → {{-280, -280, -320}}]
Out[ • ]=
```