```
(***Note: Values for generating these plots are embedded within the raw data set,
which is too large to upload onto the public data repository***)

v1Color = RGBColor["#ff1f5b"];

lpColor = RGBColor["#009ade"];

lmColor = RGBColor["#f28522"];

pmColor = Purple;

(************************)

dateMouseSessionListV1 =
  {{"061222", "Mouse22565", "Session1"}, {"061222", "Mouse22565", "Session2"},
   {"061222", "Mouse22582", "Session1"}, {"061222", "Mouse22582", "Session2"},
   {"061422", "Mouse22565", "Session1"}, {"061522", "Mouse22582", "Session1"},
   {"072622", "Mouse23049", "Session1"}, {"072522", "Mouse23090", "Session1"},
   {"072822", "Mouse23049", "Session1"}, {"072822", "Mouse23004", "Session1"},
   {"072922", "Mouse23004", "Session1"}, {"080222", "Mouse23049", "Session1"}};

dateMouseSessionListLM =
  {{"060722", "Mouse22576", "Session1"}, {"060722", "Mouse22576", "Session2"},
   {"061522", "Mouse22576", "Session1"}, {"062222", "Mouse22577", "Session1"},
   {"062822", "Mouse23076", "Session1"}, {"072122", "Mouse23076", "Session1"},
   {"062222", "Mouse22518", "Session1"}, {"062322", "Mouse22518", "Session1"}};

dateMouseSessionListLP =
  {{"062222", "Mouse22597", "Session1"}, {"062222", "Mouse22597", "Session2"},
   {"072122", "Mouse23087", "Session1"}, {"072122", "Mouse23096", "Session1"},
   {"072122", "Mouse23096", "Session2"}, {"073022", "Mouse23087", "Session1"},
   {"080122", "Mouse23079", "Session1"}, {"080222", "Mouse23079", "Session1"},
   {"080122", "Mouse23060", "Session1"}, {"080222", "Mouse23060", "Session1"}};

dateMouseSessionListPM =
  {{"062222", "Mouse22597", "Session1"}, {"062222", "Mouse22597", "Session2"},
   {"072122", "Mouse23087", "Session1"}, {"072122", "Mouse23096", "Session1"},
   {"072122", "Mouse23096", "Session2"}, {"073022", "Mouse23087", "Session1"},
   {"080122", "Mouse23079", "Session1"}, {"080222", "Mouse23079", "Session1"},
   {"080122", "Mouse23060", "Session1"}, {"080222", "Mouse23060", "Session1"},
   {"060722", "Mouse22576", "Session1"}, {"060722", "Mouse22576", "Session2"},
   {"062222", "Mouse22577", "Session1"}, {"062822", "Mouse23076", "Session1"},
   {"072122", "Mouse23076", "Session1"}, {"062222", "Mouse22518", "Session1"},
   {"062322", "Mouse22518", "Session1"}, {"061222", "Mouse22565", "Session1"},
   {"061222", "Mouse22565", "Session2"}, {"061222", "Mouse22582", "Session1"},
   {"061222", "Mouse22582", "Session2"}, {"061422", "Mouse22565", "Session1"},
   {"061522", "Mouse22582", "Session1"}, {"072622", "Mouse23049", "Session1"},
   {"072522", "Mouse23090", "Session1"}, {"072822", "Mouse23004", "Session1"},
   {"072922", "Mouse23004", "Session1"}, {"080222", "Mouse23049", "Session1"}};

roisListV1 =
  Table[Range[Length[FileNames["*", File[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionListV1[[n, 1]], "/", dateMouseSessionListV1[[n, 2]], "/",
        dateMouseSessionListV1[[n, 3]], "/dFOverF0TimeSeries_CellBodies/"]]]]],
   {n, 1, Length[dateMouseSessionListV1]}];
```

```
roisListLM =
  Table[Range[Length[FileNames["*", File[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionListLM[[n, 1]], "/", dateMouseSessionListLM[[n, 2]], "/",
        dateMouseSessionListLM[[n, 3]], "/dFOverF0TimeSeries_CellBodies/"]]]]],
   {n, 1, Length[dateMouseSessionListLM]}];

roisListLP =
  Table[Range[Length[FileNames["*", File[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionListLP[[n, 1]], "/", dateMouseSessionListLP[[n, 2]], "/",
        dateMouseSessionListLP[[n, 3]], "/dFOverF0TimeSeries_CellBodies/"]]]]],
   {n, 1, Length[dateMouseSessionListLP]}];

roisListPM =
  Table[Range[Length[FileNames["*", File[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionListPM[[n, 1]], "/", dateMouseSessionListPM[[n, 2]], "/",
        dateMouseSessionListPM[[n, 3]], "/dFOverF0TimeSeries_CellBodies/"]]]]],
   {n, 1, Length[dateMouseSessionListPM]}];

(**********************)

(*********************************************)
(*******Generate plots in Figure 4E***************)
(*********************************************)

staFRV1 =
  Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
       dateMouseSessionListV1[[n, 1]], "/", dateMouseSessionListV1[[n, 2]], "/",
       dateMouseSessionListV1[[n, 3]], "/PMSpikeTriggeredAvgAxonActivity_FRestimates/",
       "overallFRsta", ToString[roi], ".txt"], "List"],
    {roi, roisListV1[[n]]}], {n, 1, Length[dateMouseSessionListV1]}];

catenatedSTAfrV1 = Flatten[staFRV1, 1];

meanCatenatedSTAfrV1 = Mean[catenatedSTAfrV1];

semCatenatedSTAfrV1 =
  (# / Sqrt@Length[catenatedSTAfrV1]) & /@ StandardDeviation[catenatedSTAfrV1];

(***********************************)

staFRLM =
  Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
       dateMouseSessionListLM[[n, 1]], "/", dateMouseSessionListLM[[n, 2]], "/",
       dateMouseSessionListLM[[n, 3]], "/PMSpikeTriggeredAvgAxonActivity_FRestimates/",
       "overallFRsta", ToString[roi], ".txt"], "List"],
    {roi, roisListLM[[n]]}], {n, 1, Length[dateMouseSessionListLM]}];

catenatedSTAfrLM = Flatten[staFRLM, 1];

meanCatenatedSTAfrLM = Mean[catenatedSTAfrLM];

semCatenatedSTAfrLM =
  (# / Sqrt@Length[catenatedSTAfrLM]) & /@ StandardDeviation[catenatedSTAfrLM];
```

```
In[•]:= staFRLP =
          Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
                dateMouseSessionListLP[[n, 1]], "/", dateMouseSessionListLP[[n, 2]], "/",
                dateMouseSessionListLP[[n, 3]], "/PMSpikeTriggeredAvgAxonActivity_FRestimates/",
                "overallFRsta", ToString[roi], ".txt"], "List"],
            {roi, roisListLP[[n]]}], {n, 1, Length[dateMouseSessionListLP]}];

In[•]:= catenatedSTAfrLP = Flatten[staFRLP, 1];

In[•]:= meanCatenatedSTAfrLP = Mean[catenatedSTAfrLP];

In[•]:= semCatenatedSTAfrLP =
          (# / Sqrt@Length[catenatedSTAfrLP]) & /@ StandardDeviation[catenatedSTAfrLP];

In[•]:= staFRPM =
          Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
                dateMouseSessionListPM[[n, 1]], "/", dateMouseSessionListPM[[n, 2]], "/",
                dateMouseSessionListPM[[n, 3]], "/PMSpikeTriggeredAvgCBActivity_FRestimates/",
                "overallFRstaCB", ToString[roi], ".txt"], "List"],
            {roi, roisListPM[[n]]}], {n, 1, Length[dateMouseSessionListPM]}];

In[•]:= catenatedSTAfrPM = Flatten[staFRPM, 1];

In[•]:= meanCatenatedSTAfrPM = Mean[catenatedSTAfrPM];

In[•]:= semCatenatedSTAfrPM =
          (# / Sqrt@Length[catenatedSTAfrPM]) & /@ StandardDeviation[catenatedSTAfrPM];

In[•]:= (*********************************************)

In[•]:= (**********************)

In[•]:= staRandFRV1 =
          Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
                dateMouseSessionListV1[[n, 1]], "/", dateMouseSessionListV1[[n, 2]], "/",
                dateMouseSessionListV1[[n, 3]], "/PMSpikeTriggeredAvgAxonActivity_FRestimates/",
                "overallFRstaRand", ToString[roi], ".txt"], "List"],
            {roi, roisListV1[[n]]}], {n, 1, Length[dateMouseSessionListV1]}];

In[•]:= catenatedSTARfrV1 = Flatten[staRandFRV1, 1];

In[•]:= meanCatenatedSTARfrV1 = Mean[catenatedSTARfrV1];

In[•]:= semCatenatedSTARfrV1 =
          (# / Sqrt@Length[catenatedSTARfrV1]) & /@ StandardDeviation[catenatedSTARfrV1];

In[•]:= (***********************************)

In[•]:= staRandFRLM =
          Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
                dateMouseSessionListLM[[n, 1]], "/", dateMouseSessionListLM[[n, 2]], "/",
                dateMouseSessionListLM[[n, 3]], "/PMSpikeTriggeredAvgAxonActivity_FRestimates/",
                "overallFRstaRand", ToString[roi], ".txt"], "List"],
            {roi, roisListLM[[n]]}], {n, 1, Length[dateMouseSessionListLM]}];

In[•]:= catenatedSTARfrLM = Flatten[staRandFRLM, 1];
```

```
In[•]:= meanCatenatedSTARfrLM = Mean[catenatedSTARfrLM];

In[•]:= semCatenatedSTARfrLM =
          (# / Sqrt@Length[catenatedSTARfrLM]) & /@ StandardDeviation[catenatedSTARfrLM];

In[•]:= (**********************************)

In[•]:= staRandFRLP =
          Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
                dateMouseSessionListLP[[n, 1]], "/", dateMouseSessionListLP[[n, 2]], "/",
                dateMouseSessionListLP[[n, 3]], "/PMSpikeTriggeredAvgAxonActivity_FRestimates/",
                "overallFRstaRand", ToString[roi], ".txt"], "List"],
            {roi, roisListLP[[n]]}], {n, 1, Length[dateMouseSessionListLP]}];

In[•]:= catenatedSTARfrLP = Flatten[staRandFRLP, 1];

In[•]:= meanCatenatedSTARfrLP = Mean[catenatedSTARfrLP];

In[•]:= semCatenatedSTARfrLP =
          (# / Sqrt@Length[catenatedSTARfrLP]) & /@ StandardDeviation[catenatedSTARfrLP];

In[•]:= (*********************************)

In[•]:= staRandFRPM =
          Table[Table[ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
                dateMouseSessionListPM[[n, 1]], "/", dateMouseSessionListPM[[n, 2]], "/",
                dateMouseSessionListPM[[n, 3]], "/PMSpikeTriggeredAvgCBActivity_FRestimates/",
                "overallFRstaRandCB", ToString[roi], ".txt"], "List"],
            {roi, roisListPM[[n]]}], {n, 1, Length[dateMouseSessionListPM]}];

In[•]:= catenatedSTARfrPM = Flatten[staRandFRPM, 1];

In[•]:= meanCatenatedSTARfrPM = Mean[catenatedSTARfrPM];

In[•]:= semCatenatedSTARfrPM =
          (# / Sqrt@Length[catenatedSTARfrPM]) & /@ StandardDeviation[catenatedSTARfrPM];

In[•]:= (***********************************************)

In[•]:= (*****************************************************)

In[•]:= catenatedV1rawMinusShuff = catenatedSTAfrV1 - catenatedSTARfrV1;

In[•]:= meanCatenatedV1rawMinusShuff = Mean[catenatedV1rawMinusShuff];

In[•]:= semCatenatedV1rawMinusShuff = (# / Sqrt@Length[catenatedV1rawMinusShuff]) & /@
          StandardDeviation[catenatedV1rawMinusShuff];

In[•]:= (*******************************)

In[•]:= catenatedLMrawMinusShuff = catenatedSTAfrLM - catenatedSTARfrLM;

In[•]:= meanCatenatedLMrawMinusShuff = Mean[catenatedLMrawMinusShuff];

In[•]:= semCatenatedLMrawMinusShuff = (# / Sqrt@Length[catenatedLMrawMinusShuff]) & /@
          StandardDeviation[catenatedLMrawMinusShuff];

In[•]:= (************************)
```

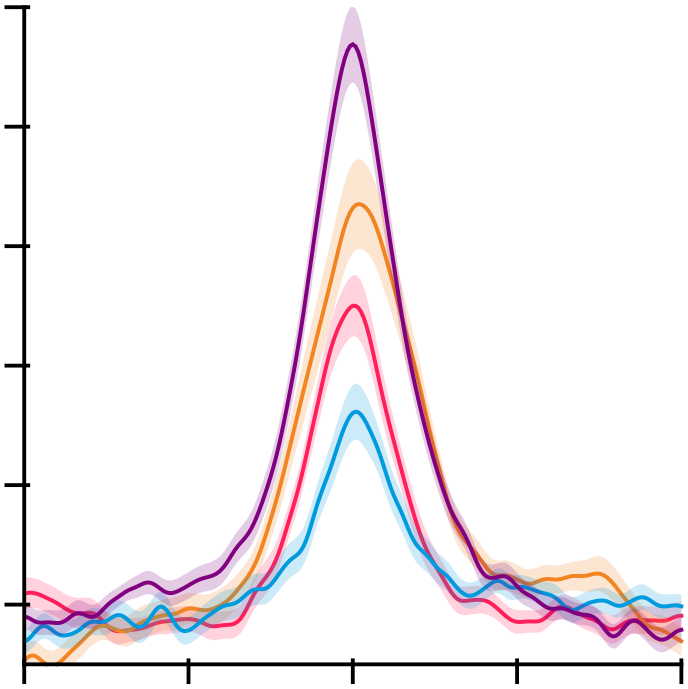
```
In[•]:= catenatedLPrawMinusShuff = catenatedSTAfrLP - catenatedSTARfrLP;

In[•]:= meanCatenatedLPrawMinusShuff = Mean[catenatedLPrawMinusShuff];

In[•]:= semCatenatedLPrawMinusShuff = (# / Sqrt@Length[catenatedLPrawMinusShuff]) & /@
          StandardDeviation[catenatedLPrawMinusShuff];

In[•]:= (**********)

In[•]:= catenatedPMrawMinusShuff = catenatedSTAfrPM - catenatedSTARfrPM;

In[•]:= meanCatenatedPMrawMinusShuff = Mean[catenatedPMrawMinusShuff];

In[•]:= semCatenatedPMrawMinusShuff = (# / Sqrt@Length[catenatedPMrawMinusShuff]) & /@
          StandardDeviation[catenatedPMrawMinusShuff];

In[•]:= (**********)

In[•]:= v1STArms = ListLinePlot[{meanCatenatedV1rawMinusShuff,
           meanCatenatedV1rawMinusShuff + semCatenatedV1rawMinusShuff,
           meanCatenatedV1rawMinusShuff - semCatenatedV1rawMinusShuff},
          Filling → {1 → {{2}, Directive[Opacity[0.2], v1Color]},
            1 → {{3}, Directive[Opacity[0.2], v1Color]}, 4 → {{5},
              Directive[Opacity[0.2], v1Color]}, 4 → {{6}, Directive[Opacity[0.2], v1Color]}},
          PlotStyle → {{v1Color, Thickness[0.006]}, Transparent, Transparent},
          DataRange → {-4, 4}, PlotRange → {{-4, 4}, {-0.0005, 0.005}}, FrameTicks →
           {{LinTicks[-0.0005, 0.005, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}],
             None}, {LinTicks[-4, 4, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
          Axes → False, TicksStyle → Thick, FrameStyle → Thick,
          Frame → {{True, None}, {True, None}}, AspectRatio → 1,
          FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]];

In[•]:= lmSTArms = ListLinePlot[{meanCatenatedLMrawMinusShuff,
           meanCatenatedLMrawMinusShuff + semCatenatedLMrawMinusShuff,
           meanCatenatedLMrawMinusShuff - semCatenatedLMrawMinusShuff},
          Filling → {1 → {{2}, Directive[Opacity[0.2], lmColor]},
            1 → {{3}, Directive[Opacity[0.2], lmColor]}, 4 → {{5},
              Directive[Opacity[0.2], lmColor]}, 4 → {{6}, Directive[Opacity[0.2], lmColor]}},
          PlotStyle → {{lmColor, Thickness[0.006]}, Transparent, Transparent},
          DataRange → {-4, 4}, PlotRange → {{-4, 4}, {-0.0005, 0.005}}, FrameTicks →
           {{LinTicks[-0.0005, 0.005, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}],
             None}, {LinTicks[-4, 4, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
          Axes → False, TicksStyle → Thick, FrameStyle → Thick,
          Frame → {{True, None}, {True, None}}, AspectRatio → 1,
          FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]];
```

In[ ]:=
```
lpSTArms = ListLinePlot[{meanCatenatedLPrawMinusShuff,
     meanCatenatedLPrawMinusShuff + semCatenatedLPrawMinusShuff,
     meanCatenatedLPrawMinusShuff - semCatenatedLPrawMinusShuff},
    Filling → {1 → {{2}, Directive[Opacity[0.2], lpColor]},
      1 → {{3}, Directive[Opacity[0.2], lpColor]}, 4 → {{5},
        Directive[Opacity[0.2], lpColor]}, 4 → {{6}, Directive[Opacity[0.2], lpColor]}},
    PlotStyle → {{lpColor, Thickness[0.006]}, Transparent, Transparent},
    DataRange → {-4, 4}, PlotRange → {{-4, 4}, {-0.0005, 0.005}}, FrameTicks →
     {{LinTicks[-0.0005, 0.005, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}],
       None}, {LinTicks[-4, 4, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
    Axes → False, TicksStyle → Thick, FrameStyle → Thick,
    Frame → {{True, None}, {True, None}}, AspectRatio → 1,
    FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]];
```

In[ ]:=
```
pmSTArms = ListLinePlot[{meanCatenatedPMrawMinusShuff,
     meanCatenatedPMrawMinusShuff + semCatenatedPMrawMinusShuff,
     meanCatenatedPMrawMinusShuff - semCatenatedPMrawMinusShuff},
    Filling → {1 → {{2}, Directive[Opacity[0.2], pmColor]},
      1 → {{3}, Directive[Opacity[0.2], pmColor]}, 4 → {{5},
        Directive[Opacity[0.2], pmColor]}, 4 → {{6}, Directive[Opacity[0.2], pmColor]}},
    PlotStyle → {{pmColor, Thickness[0.006]}, Transparent, Transparent},
    DataRange → {-4, 4}, PlotRange → {{-4, 4}, {-0.0005, 0.005}}, FrameTicks →
     {{LinTicks[-0.0005, 0.005, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}],
       None}, {LinTicks[-4, 4, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
    Axes → False, TicksStyle → Thick, FrameStyle → Thick,
    Frame → {{True, None}, {True, None}}, AspectRatio → 1,
    FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]];
```

In[ ]:=
```
Show[v1STArms, lmSTArms, lpSTArms, pmSTArms]
```

Out[ ]=



```
In[ ]:= (*****************************************)

In[ ]:= (*********************************************)
        (*******Generate plots in Figure 4E***************)
        (*********************************************)

In[ ]:= v1PeakSizes =
          Table[Table[Max[staFRV1[[n, m]]] - Mean[Table[staFRV1[[n, m, i]], {i, 1, 60}]],
            {m, 1, Length[roisListV1[[n]]]}], {n, 1, Length[roisListV1]}];

In[ ]:= lmPeakSizes =
          Table[Table[Max[staFRLM[[n, m]]] - Mean[Table[staFRLM[[n, m, i]], {i, 1, 60}]],
            {m, 1, Length[roisListLM[[n]]]}], {n, 1, Length[roisListLM]}];

In[ ]:= lpPeakSizes =
          Table[Table[Max[staFRLP[[n, m]]] - Mean[Table[staFRLP[[n, m, i]], {i, 1, 60}]],
            {m, 1, Length[roisListLP[[n]]]}], {n, 1, Length[roisListLP]}];

In[ ]:= pmPeakSizes =
          Table[Table[Max[staFRPM[[n, m]]] - Mean[Table[staFRPM[[n, m, i]], {i, 1, 60}]],
            {m, 1, Length[roisListPM[[n]]]}], {n, 1, Length[roisListPM]}];

In[ ]:= (******)

In[ ]:= (**********************)

In[ ]:= v1AxonCharts = Show[BoxWhiskerChart[
          Flatten@v1PeakSizes, {{"Whiskers", Directive[Darker@v1Color, Thick]},
           {"Fences", Directive[Darker@v1Color, Thick]}, {"MedianMarker",
            Directive[Darker@v1Color, Thickness[0.009]]}}, PlotRange → {All, {0, 0.018}},
          ChartStyle → Directive[v1Color, Opacity[0.3]], Frame → False],
         DistributionChart[Flatten@v1PeakSizes, PlotRange → {All, {0, 0.018}},
          ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], v1Color], Frame → False],
         FrameTicks → {{LinTicks[0, 0.018, 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]];

In[ ]:= lmAxonCharts = Show[BoxWhiskerChart[
          Flatten@lmPeakSizes, {{"Whiskers", Directive[Darker@lmColor, Thick]},
           {"Fences", Directive[Darker@lmColor, Thick]}, {"MedianMarker",
            Directive[Darker@lmColor, Thickness[0.009]]}}, PlotRange → {All, {0, 0.018}},
          ChartStyle → Directive[lmColor, Opacity[0.3]], Frame → False],
         DistributionChart[Flatten@lmPeakSizes, PlotRange → {All, {0, 0.018}},
          ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], lmColor], Frame → False],
         FrameTicks → {{LinTicks[0, 0.018, 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]];
```

In[•]:=
```
lpAxonCharts = Show[BoxWhiskerChart[
     Flatten@lpPeakSizes, {{"Whiskers", Directive[Darker@lpColor, Thick]},
      {"Fences", Directive[Darker@lpColor, Thick]}, {"MedianMarker",
       Directive[Darker@lpColor, Thickness[0.009]]}}, PlotRange → {All, {0, 0.018}},
     ChartStyle → Directive[lpColor, Opacity[0.3]], Frame → False],
    DistributionChart[Flatten@lpPeakSizes, PlotRange → {All, {0, 0.018}},
     ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], lpColor], Frame → False],
    FrameTicks → {{LinTicks[0, 0.018, 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]];
```

In[•]:=
```
pmAxonCharts = Show[BoxWhiskerChart[
     Flatten@pmPeakSizes, {{"Whiskers", Directive[Darker@pmColor, Thick]},
      {"Fences", Directive[Darker@pmColor, Thick]}, {"MedianMarker",
       Directive[Darker@pmColor, Thickness[0.009]]}}, PlotRange → {All, {0, 0.018}},
     ChartStyle → Directive[pmColor, Opacity[0.3]], Frame → False],
    DistributionChart[Flatten@pmPeakSizes, PlotRange → {All, {0, 0.018}},
     ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], pmColor], Frame → False],
    FrameTicks → {{LinTicks[0, 0.018, 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]];
```

In[•]:=
```
transp = Show[
    BoxWhiskerChart[Flatten@lpPeakSizes, {{"Whiskers", Directive[Transparent, Thick]},
      {"Fences", Directive[Transparent, Thick]},
      {"MedianMarker", Directive[Transparent, Thickness[0.009]]}},
     PlotRange → {All, {0, 0.018}}, ChartStyle → Transparent, Frame → False],
    DistributionChart[Flatten@lpPeakSizes, PlotRange → {All, {0, 0.018}}, ChartStyle →
      Directive[EdgeForm[Transparent], Opacity[0.2], Transparent], Frame → False],
    FrameTicks → {{LinTicks[0, 0.018, 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[{v1AxonCharts, lmAxonCharts, lpAxonCharts, pmAxonCharts, transp},
 Spacings → {{-280, -280, -280, -280, -490}}]
```

Out[•]=