```
dateMouseSessionListV1 = {{"072920", "Mouse21019", "Session1"},
    {"080920", "Mouse21019", "Session1"}, {"081120", "Mouse21019", "Session2"},
    {"082620", "Mouse21020", "Session1"}, {"072820", "Mouse21036", "Session2"},
    {"080920", "Mouse21036", "Session2"}, {"081120", "Mouse21036", "Session2"},
    {"081420", "Mouse21036", "Session1"}, {"080620", "Mouse21062", "Session2"},
    {"091920", "Mouse21068", "Session1"}, {"091320", "Mouse21068", "Session2"},
    {"111420", "Mouse23385", "Session1"}, {"111620", "Mouse23385", "Session2"},
    {"120420", "Mouse23385", "Session2"}, {"121020", "Mouse23312", "Session1"},
    {"121320", "Mouse23312", "Session1"}, {"010421", "Mouse23332", "Session1"},
    {"010721", "Mouse23332", "Session1"}, {"011221", "Mouse23332", "Session1"},
    {"011921", "Mouse23332", "Session1"}, {"011021", "Mouse23305", "Session1"},
    {"011221", "Mouse23305", "Session1"}, {"031821", "Mouse23324", "Session1"},
    {"030821", "Mouse23321", "Session2"}, {"031821", "Mouse23321", "Session1"}};

dateMouseSessionListV2m =
  {{"090820", "Mouse21011", "Session3"}, {"092120", "Mouse21011", "Session2"},
    {"091620", "Mouse21069", "Session1"}, {"100120", "Mouse21069", "Session1"},
    {"090420", "Mouse21076", "Session1"}, {"090520", "Mouse21076", "Session2"},
    {"111420", "Mouse23383", "Session1"}, {"111620", "Mouse23383", "Session2"},
    {"112220", "Mouse23383", "Session1"}, {"111420", "Mouse23386", "Session1"},
    {"111720", "Mouse23386", "Session1"}, {"120620", "Mouse23383", "Session1"},
    {"010221", "Mouse23382", "Session1"}, {"010421", "Mouse23382", "Session1"},
    {"010621", "Mouse23382", "Session1"}, {"011621", "Mouse23390", "Session1"},
    {"011721", "Mouse23390", "Session1"}, {"022721", "Mouse23310", "Session1"},
    {"031121", "Mouse23310", "Session2"}, {"022021", "Mouse23338", "Session1"},
    {"030121", "Mouse23338", "Session1"}, {"031621", "Mouse23338", "Session2"}};

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

osiValsV1 = Flatten[ToExpression /@ Import[
      "F:/FigureGeneration/FigureS2/FigureS2Data/CellBodies/V1/ValuesForPlotting/
        osiVals_V1.txt", "List"]];

osiValsV2m = Flatten[ToExpression /@ Import[
      "F:/FigureGeneration/FigureS2/FigureS2Data/CellBodies/V2m/ValuesForPlotting/
        osiVals_V2m.txt", "List"]];

In[•]:= (*********************)

v1Charts = Show[BoxWhiskerChart[osiValsV1, {{"Whiskers", Directive[Darker@Blue, Thick]},
      {"Fences", Directive[Darker@Blue, Thick]},
      {"MedianMarker", Directive[Darker@Blue, Thickness[0.009]]}},
    PlotRange → {All, {0, 1}}, ChartStyle → Directive[Blue, Opacity[0.3]], Frame → False],
    DistributionChart[osiValsV1, PlotRange → {All, {0, 1}},
     ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], Blue], Frame → False],
    FrameTicks → {{LinTicks[0, 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]];
```
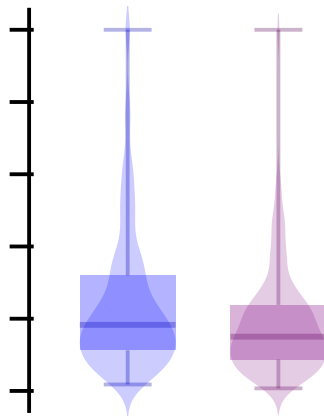
```
pmCharts =
  Show[BoxWhiskerChart[osiValsV2m, {{"Whiskers", Directive[Darker@Purple, Thick]},
     {"Fences", Directive[Darker@Purple, Thick]},
     {"MedianMarker", Directive[Darker@Purple, Thickness[0.009]]}},
    PlotRange → {All, {0, 1}}, ChartStyle → Directive[Purple, Opacity[0.3]], Frame → False],
   DistributionChart[osiValsV2m, PlotRange → {All, {0, 1}},
    ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], Purple], Frame → False],
   FrameTicks → {{LinTicks[0, 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[osiValsV2m, {{"Whiskers", Directive[Transparent, Thick]},
     {"Fences", Directive[Transparent, Thick]},
     {"MedianMarker", Directive[Transparent, Thickness[0.009]]}},
    PlotRange → {All, {0, 1}}, ChartStyle → Transparent, Frame → False],
   DistributionChart[osiValsV2m, PlotRange → {All, {0, 1}}, ChartStyle →
     Directive[EdgeForm[Transparent], Opacity[0.2], Transparent], Frame → False],
   FrameTicks → {{LinTicks[0, 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[{v1Charts, pmCharts, transp}, Spacings → {{-280, -280, -320}}]`

Out[ ]=

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

```
dsiValsV1 = Flatten[ToExpression /@ Import[
    "F:/FigureGeneration/FigureS2/FigureS2Data/CellBodies/V1/ValuesForPlotting/
      dsiVals_V1.txt", "List"]];

dsiValsV2m = Flatten[ToExpression /@ Import[
    "F:/FigureGeneration/FigureS2/FigureS2Data/CellBodies/V2m/ValuesForPlotting/
      dsiVals_V2m.txt", "List"]];
```

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

```
v1Charts = Show[BoxWhiskerChart[dsiValsV1, {{"Whiskers", Directive[Darker@Blue, Thick]},
      {"Fences", Directive[Darker@Blue, Thick]},
      {"MedianMarker", Directive[Darker@Blue, Thickness[0.009]]}},
     PlotRange → {All, {0, 1}}, ChartStyle → Directive[Blue, Opacity[0.3]], Frame → False],
    DistributionChart[dsiValsV1, PlotRange → {All, {0, 1}},
     ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], Blue], Frame → False],
    FrameTicks → {{LinTicks[0, 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]];

pmCharts =
  Show[BoxWhiskerChart[dsiValsV2m, {{"Whiskers", Directive[Darker@Purple, Thick]},
      {"Fences", Directive[Darker@Purple, Thick]},
      {"MedianMarker", Directive[Darker@Purple, Thickness[0.009]]}},
     PlotRange → {All, {0, 1}}, ChartStyle → Directive[Purple, Opacity[0.3]], Frame → False],
    DistributionChart[dsiValsV2m, PlotRange → {All, {0, 1}},
     ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], Purple], Frame → False],
    FrameTicks → {{LinTicks[0, 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[dsiValsV2m, {{"Whiskers", Directive[Transparent, Thick]},
      {"Fences", Directive[Transparent, Thick]},
      {"MedianMarker", Directive[Transparent, Thickness[0.009]]}},
     PlotRange → {All, {0, 1}}, ChartStyle → Transparent, Frame → False],
    DistributionChart[dsiValsV2m, PlotRange → {All, {0, 1}}, ChartStyle →
      Directive[EdgeForm[Transparent], Opacity[0.2], Transparent], Frame → False],
    FrameTicks → {{LinTicks[0, 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]];

GraphicsRow[{v1Charts, pmCharts, transp}, Spacings → {{-280, -280, -320}}];
```

Out[•]=