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In[ ]:= (**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"];

In[ ]:= lmColor = RGBColor["#f28522"];

In[ ]:= v2mColor = Purple;

In[ ]:= (****V1 to V2m****)

In[ ]:= dateMouseSessionList =
    {{ "101620", "Mouse23392", "Session2"}, {"102120", "Mouse23392", "Session1"},
      {"102520", "Mouse23392", "Session1"}, {"101520", "Mouse23393", "Session1"},
      {"101420", "Mouse23395", "Session1"}, {"121320", "Mouse23379", "Session2"},
      {"121620", "Mouse23379", "Session2"}, {"122020", "Mouse23379", "Session1"},
      {"121820", "Mouse23365", "Session2"}, {"122120", "Mouse23365", "Session1"},
      {"020521", "Mouse23320", "Session1"}, {"021321", "Mouse23329", "Session1"},
      {"030121", "Mouse23329", "Session1"}, {"030621", "Mouse23329", "Session2"};

In[ ]:= (**Extract all the ROIs for this particular stimulus type**)

In[ ]:= allROIsPerSession =
    Table[Range@Length[FileNames["*", File[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
        "/", dateMouseSessionList[[n, 3]], "/dFOverF0TimeSeries/"]]],
      {n, 1, Length[dateMouseSessionList]}];

In[ ]:= discardROIsList =
    Table[Flatten@{ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
        dateMouseSessionList[[n, 3]], "/", dateMouseSessionList[[n, 1]], "_",
        dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]], "_",
        "discardROIs", ".txt"], "List"]}, {n, 1, Length[dateMouseSessionList]}];

In[ ]:= allROIsPerSession = Table[Complement[allROIsPerSession[[n]], discardROIsList[[n]]],
    {n, 1, Length[allROIsPerSession]}];

In[ ]:= sigRespGratingsROIsPerSession =
    Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
        dateMouseSessionList[[n, 3]], "/VisStimResults/", dateMouseSessionList[[n, 1]],
        "_", dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]], "_",
        "sigResponsiveGratingROIs.txt"], "List"], {n, 1, Length[dateMouseSessionList]}];

In[ ]:= sigRespGratingsROIsPerSession =
    Table[Complement[sigRespGratingsROIsPerSession[[n]], discardROIsList[[n]]],
    {n, 1, Length[sigRespGratingsROIsPerSession]}];

In[ ]:= nonSigROIsPerSession =
    Table[Complement[allROIsPerSession[[n]], sigRespGratingsROIsPerSession[[n]]],
    {n, 1, Length[dateMouseSessionList]}];

In[ ]:= (**Extract all the visual responses for the ROIs extracted**)

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In[ ]:= visRespGratingsV1toV2m = Abs /@ DeleteCases [
  Flatten@Table [Table [Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
    dateMouseSessionList[[n, 3]], "/VisStimResults/", dateMouseSessionList[[n, 1]],
    "_", dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]],
    "_", "overallVisResponse_ZDFF", ToString[roi], ".txt"], "List"],
    {roi, sigRespGratingsROIsPerSession[[n]]}],
  {n, 1, Length[sigRespGratingsROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= visRespNonRespV1toV2m =
  DeleteCases [Flatten@Table [Table [Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/VisStimResults/",
    dateMouseSessionList[[n, 1]], "_", dateMouseSessionList[[n, 2]],
    "_", dateMouseSessionList[[n, 3]], "_", "overallVisResponse_ZDFF",
    ToString[roi], ".txt"], "List"], {roi, nonSigROIsPerSession[[n]]}],
  {n, 1, Length[nonSigROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= visRespAllV1toV2m =
  DeleteCases [Flatten@Table [Table [Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/VisStimResults/",
    dateMouseSessionList[[n, 1]], "_", dateMouseSessionList[[n, 2]],
    "_", dateMouseSessionList[[n, 3]], "_", "overallVisResponse_ZDFF",
    ToString[roi], ".txt"], "List"], {roi, allROIsPerSession[[n]]}],
  {n, 1, Length[nonSigROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= (****LM to V2m****)

In[ ]:= dateMouseSessionList = {{ "092321", "Mouse22422", "Session1"},
  {"100521", "Mouse22422", "Session1"}, {"081621", "Mouse22437", "Session2"},
  {"081821", "Mouse22437", "Session1"}, {"082421", "Mouse22437", "Session2"},
  {"092421", "Mouse22472", "Session1"}, {"101121", "Mouse22472", "Session2"},
  {"102121", "Mouse22422", "Session2"}, {"102021", "Mouse22436", "Session1"},
  {"102121", "Mouse22436", "Session2"}, {"102821", "Mouse22472", "Session1"},
  {"071322", "Mouse23100", "Session1"}, {"071022", "Mouse23014", "Session1"},
  {"070822", "Mouse22518", "Session2"}, {"071222", "Mouse22518", "Session1"}};

In[ ]:= (***Extract all the ROIs for this particular stimulus type***)

In[ ]:= allROIsPerSession =
  Table [Range@Length [FileNames ["*", File [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/dFOverF0TimeSeries/"]]]],
  {n, 1, Length [dateMouseSessionList]}];

In[ ]:= discardROIsList =
  Table [Flatten@ (ToExpression /@ Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
    dateMouseSessionList[[n, 3]], "/", dateMouseSessionList[[n, 1]], "_",
    dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]], "_",
    "discardROIs", ".txt"], "List"])], {n, 1, Length [dateMouseSessionList]}];

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In[ ]:= allROIsPerSession = Table[Complement[allROIsPerSession[[n]], discardROIsList[[n]]],
  {n, 1, Length[allROIsPerSession]}}];

In[ ]:= sigRespGratingsROIsPerSession =
  Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
    dateMouseSessionList[[n, 3]], "/VisStimResults/", dateMouseSessionList[[n, 1]],
    "_", dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]], "_",
    "sigResponsiveGratingROIs.txt"], "List"], {n, 1, Length[dateMouseSessionList]}}];

In[ ]:= sigRespGratingsROIsPerSession =
  Table[Complement[sigRespGratingsROIsPerSession[[n]], discardROIsList[[n]]],
  {n, 1, Length[sigRespGratingsROIsPerSession]}}];

In[ ]:= nonSigROIsPerSession =
  Table[Complement[allROIsPerSession[[n]], sigRespGratingsROIsPerSession[[n]]],
  {n, 1, Length[dateMouseSessionList]}}];

In[ ]:= (***Extract all the visual responses for the ROIs extracted***)

In[ ]:= visRespGratingsLMtoV2m = Abs /@ DeleteCases[
  Flatten@Table[Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
    dateMouseSessionList[[n, 3]], "/VisStimResults/", dateMouseSessionList[[n, 1]],
    "_", dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]],
    "_", "overallVisResponse_ZDFF", ToString[roi], ".txt"], "List"],
    {roi, sigRespGratingsROIsPerSession[[n]]}],
  {n, 1, Length[sigRespGratingsROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= visRespNonRespLMtoV2m =
  DeleteCases[Flatten@Table[Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/VisStimResults/",
    dateMouseSessionList[[n, 1]], "_", dateMouseSessionList[[n, 2]],
    "_", dateMouseSessionList[[n, 3]], "_", "overallVisResponse_ZDFF",
    ToString[roi], ".txt"], "List"], {roi, nonSigROIsPerSession[[n]]}],
  {n, 1, Length[nonSigROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= visRespAllLMtoV2m =
  DeleteCases[Flatten@Table[Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/VisStimResults/",
    dateMouseSessionList[[n, 1]], "_", dateMouseSessionList[[n, 2]],
    "_", dateMouseSessionList[[n, 3]], "_", "overallVisResponse_ZDFF",
    ToString[roi], ".txt"], "List"], {roi, allROIsPerSession[[n]]}],
  {n, 1, Length[nonSigROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= (****LP to V2m*****)

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In[ ]:= dateMouseSessionList = {"101720", "Mouse23394", "Session2"},
    {"101920", "Mouse23394", "Session1"}, {"102020", "Mouse23394", "Session1"},
    {"102220", "Mouse23394", "Session3"}, {"100820", "Mouse23399", "Session1"},
    {"101020", "Mouse23399", "Session1"}, {"102320", "Mouse23399", "Session1"},
    {"102920", "Mouse23377", "Session2"}, {"102920", "Mouse23394", "Session2"},
    {"110120", "Mouse23394", "Session1"}, {"110320", "Mouse23394", "Session2"},
    {"103120", "Mouse23377", "Session2"}, {"110220", "Mouse23377", "Session2"},
    {"103120", "Mouse23378", "Session1"}, {"110220", "Mouse23378", "Session1"},
    {"111520", "Mouse23384", "Session2"}, {"111720", "Mouse23384", "Session1"},
    {"111820", "Mouse23384", "Session2"}, {"112120", "Mouse23384", "Session1"},
    {"120320", "Mouse23378", "Session2"}, {"120220", "Mouse23378", "Session1"},
    {"120320", "Mouse23384", "Session2"}, {"120220", "Mouse23384", "Session1"},
    {"121620", "Mouse23381", "Session1"}, {"121820", "Mouse23381", "Session1"},
    {"011121", "Mouse23369", "Session2"}, {"011521", "Mouse23369", "Session1"},
    {"010621", "Mouse23339", "Session1"}, {"010821", "Mouse23339", "Session1"},
    {"011421", "Mouse23339", "Session2"}, {"062922", "Mouse23067", "Session2"},
    {"070122", "Mouse23075", "Session1"}, {"070822", "Mouse23075", "Session2"};

In[ ]:= (**Extract all the ROIs for this particular stimulus type**)

In[ ]:= allROIsPerSession =
    Table[Range@Length[FileNames["*", File[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
        "/", dateMouseSessionList[[n, 3]], "/dFOverF0TimeSeries/"]]],
    {n, 1, Length[dateMouseSessionList]}];

In[ ]:= discardROIsList =
    Table[Flatten@{ToExpression /@ Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
        dateMouseSessionList[[n, 3]], "/", dateMouseSessionList[[n, 1]], "_",
        dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]], "_",
        "discardROIs", ".txt"], "List"]}, {n, 1, Length[dateMouseSessionList]}];

In[ ]:= allROIsPerSession = Table[Complement[allROIsPerSession[[n]], discardROIsList[[n]]],
    {n, 1, Length[allROIsPerSession]}];

In[ ]:= sigRespGratingsROIsPerSession =
    Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
        dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
        dateMouseSessionList[[n, 3]], "/VisStimResults/", dateMouseSessionList[[n, 1]],
        "_", dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]], "_",
        "sigResponsiveGratingROIs.txt"], "List"], {n, 1, Length[dateMouseSessionList]}];

In[ ]:= sigRespGratingsROIsPerSession =
    Table[Complement[sigRespGratingsROIsPerSession[[n]], discardROIsList[[n]]],
    {n, 1, Length[sigRespGratingsROIsPerSession]}];

In[ ]:= nonSigROIsPerSession =
    Table[Complement[allROIsPerSession[[n]], sigRespGratingsROIsPerSession[[n]]],
    {n, 1, Length[dateMouseSessionList]}];

In[ ]:= (**Extract all the visual responses for the ROIs extracted**)

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In[ ]:= visRespGratingsLPtoV2m = Abs /@ DeleteCases [
  Flatten@Table [Table [Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
    dateMouseSessionList[[n, 3]], "/VisStimResults/", dateMouseSessionList[[n, 1]],
    "_", dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]],
    "_", "overallVisResponse_ZDFF", ToString[roi], ".txt"], "List"],
    {roi, sigRespGratingsROIsPerSession[[n]]}],
  {n, 1, Length[sigRespGratingsROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= visRespNonRespLPtoV2m =
  DeleteCases [Flatten@Table [Table [Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/VisStimResults/",
    dateMouseSessionList[[n, 1]], "_", dateMouseSessionList[[n, 2]],
    "_", dateMouseSessionList[[n, 3]], "_", "overallVisResponse_ZDFF",
    ToString[roi], ".txt"], "List"], {roi, nonSigROIsPerSession[[n]]}],
  {n, 1, Length[nonSigROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= visRespAllLPtoV2m =
  DeleteCases [Flatten@Table [Table [Import [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/VisStimResults/",
    dateMouseSessionList[[n, 1]], "_", dateMouseSessionList[[n, 2]],
    "_", dateMouseSessionList[[n, 3]], "_", "overallVisResponse_ZDFF",
    ToString[roi], ".txt"], "List"], {roi, allROIsPerSession[[n]]}],
  {n, 1, Length[nonSigROIsPerSession]}], _? (Not@*NumericQ)];

In[ ]:= (****V2m****)

In[ ]:= dateMouseSessionList = {{ "092420", "Mouse21011", "Session1"},
  { "092620", "Mouse21069", "Session2"}, { "093020", "Mouse21069", "Session2"},
  { "100120", "Mouse21069", "Session2"}, { "111420", "Mouse23383", "Session3"},
  { "111720", "Mouse23383", "Session1"}, { "112220", "Mouse23383", "Session3"},
  { "111420", "Mouse23386", "Session3"}, { "111720", "Mouse23386", "Session3"},
  { "120620", "Mouse23383", "Session2"}, { "010221", "Mouse23382", "Session2"},
  { "010421", "Mouse23382", "Session2"}, { "010621", "Mouse23382", "Session2"},
  { "011721", "Mouse23390", "Session2"}, { "022821", "Mouse23390", "Session2"},
  { "030421", "Mouse23390", "Session1"}, { "021321", "Mouse23359", "Session1"},
  { "022621", "Mouse23310", "Session2"}, { "030221", "Mouse23310", "Session2"},
  { "031021", "Mouse23310", "Session2"}, { "021821", "Mouse23338", "Session1"},
  { "031621", "Mouse23338", "Session1"}, { "031821", "Mouse23338", "Session2"},
  { "081721", "Mouse21151", "Session1"}, { "080221", "Mouse22481", "Session2"},
  { "072421", "Mouse21133", "Session2"}, { "072121", "Mouse21170", "Session2"};

In[ ]:= (***Extract all the ROIs for this particular stimulus type***)

In[ ]:= allROIsPerSession =
  Table [Range@Length [FileNames ["*", File [StringJoin ["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/dFOverF0TimeSeries/"]]],
  {n, 1, Length [dateMouseSessionList]}];

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In[ ]:= sigRespGratingsROIsPerSession =
  Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
    dateMouseSessionList[[n, 3]], "/VisStimResults/", dateMouseSessionList[[n, 1]],
    "_", dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]], "_",
    "sigResponsiveGratingROIs.txt"], "List"], {n, 1, Length[dateMouseSessionList]};

In[ ]:= nonSigROIsPerSession =
  Table[Complement[allROIsPerSession[[n]], sigRespGratingsROIsPerSession[[n]]],
    {n, 1, Length[dateMouseSessionList]};

In[ ]:= (**Extract all the visual responses for the ROIs extracted**)

In[ ]:= visRespGratingsV2m = Abs /@ DeleteCases[
  Flatten@Table[Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]], "/",
    dateMouseSessionList[[n, 3]], "/VisStimResults/", dateMouseSessionList[[n, 1]],
    "_", dateMouseSessionList[[n, 2]], "_", dateMouseSessionList[[n, 3]],
    "_", "overallVisResponse_ZDFF", ToString[roi], ".txt"], "List"],
    {roi, sigRespGratingsROIsPerSession[[n]]}],
    {n, 1, Length[sigRespGratingsROIsPerSession]}, _? (Not@*NumericQ)];

In[ ]:= visRespNonRespV2m =
  DeleteCases[Flatten@Table[Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/VisStimResults/",
    dateMouseSessionList[[n, 1]], "_", dateMouseSessionList[[n, 2]],
    "_", dateMouseSessionList[[n, 3]], "_", "overallVisResponse_ZDFF",
    ToString[roi], ".txt"], "List"], {roi, nonSigROIsPerSession[[n]]}],
    {n, 1, Length[nonSigROIsPerSession]}, _? (Not@*NumericQ)];

In[ ]:= visRespAllV2m =
  DeleteCases[Flatten@Table[Table[Import[StringJoin["S:/Imaging/Garrett/FMB208_2PRig/",
    dateMouseSessionList[[n, 1]], "/", dateMouseSessionList[[n, 2]],
    "/", dateMouseSessionList[[n, 3]], "/VisStimResults/",
    dateMouseSessionList[[n, 1]], "_", dateMouseSessionList[[n, 2]],
    "_", dateMouseSessionList[[n, 3]], "_", "overallVisResponse_ZDFF",
    ToString[roi], ".txt"], "List"], {roi, allROIsPerSession[[n]]}],
    {n, 1, Length[nonSigROIsPerSession]}, _? (Not@*NumericQ)];

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

In[ ]:= v1AxonCharts = Show[
  BoxWhiskerChart[visRespAllV1toV2m, {"Whiskers", Directive[Darker@v1Color, Thick]},
    {"Fences", Directive[Darker@v1Color, Thick]}, {"MedianMarker",
    Directive[Darker@v1Color, Thickness[0.009]]}], PlotRange -> {{-0.6, 2}, {-4, 10}},
  ChartStyle -> Directive[v1Color, Opacity[0.3]], Frame -> False],
  DistributionChart[visRespAllV1toV2m, PlotRange -> {{-0.5, 0.9}, {-4, 10}},
  ChartStyle -> Directive[EdgeForm[Transparent], Opacity[0.2], v1Color], Frame -> False],
  FrameTicks -> {{LinTicks[-4, 10, 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]];

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In[ ]:= lmAxonCharts = Show[
  BoxWhiskerChart[visRespAllLMtoV2m, {"Whiskers", Directive[Darker@lmColor, Thick]},
    {"Fences", Directive[Darker@lmColor, Thick]}, {"MedianMarker",
      Directive[Darker@lmColor, Thickness[0.009]]}], PlotRange → {{-0.6, 2}, {-4, 10}},
  ChartStyle → Directive[lmColor, Opacity[0.3]], Frame → False],
  DistributionChart[visRespAllLMtoV2m, PlotRange → {{-0.5, 0.9}, {-4, 10}},
  ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], lmColor], Frame → False],
  FrameTicks → {{LinTicks[-4, 10, 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]];

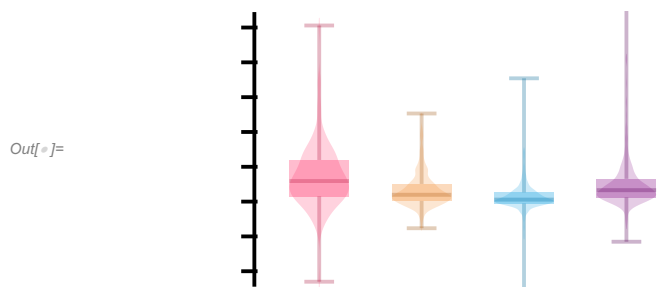
In[ ]:= lpAxonCharts = Show[
  BoxWhiskerChart[visRespAllLPtoV2m, {"Whiskers", Directive[Darker@lpColor, Thick]},
    {"Fences", Directive[Darker@lpColor, Thick]}, {"MedianMarker",
      Directive[Darker@lpColor, Thickness[0.009]]}], PlotRange → {{-0.6, 2}, {-4, 10}},
  ChartStyle → Directive[lpColor, Opacity[0.3]], Frame → False],
  DistributionChart[visRespAllLPtoV2m, PlotRange → {{-0.5, 0.9}, {-4, 10}},
  ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], lpColor], Frame → False],
  FrameTicks → {{LinTicks[-4, 10, 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[ ]:= v2mAxonCharts =
  Show[BoxWhiskerChart[visRespAllV2m, {"Whiskers", Directive[Darker@v2mColor, Thick]},
    {"Fences", Directive[Darker@v2mColor, Thick]}, {"MedianMarker",
      Directive[Darker@v2mColor, Thickness[0.009]]}], PlotRange → {{-0.6, 2}, {-4, 10}},
  ChartStyle → Directive[v2mColor, Opacity[0.3]], Frame → False],
  DistributionChart[visRespAllV2m, PlotRange → {{-0.5, 0.9}, {-4, 10}},
  ChartStyle → Directive[EdgeForm[Transparent], Opacity[0.2], v2mColor], Frame → False],
  FrameTicks → {{LinTicks[-4, 10, 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]];

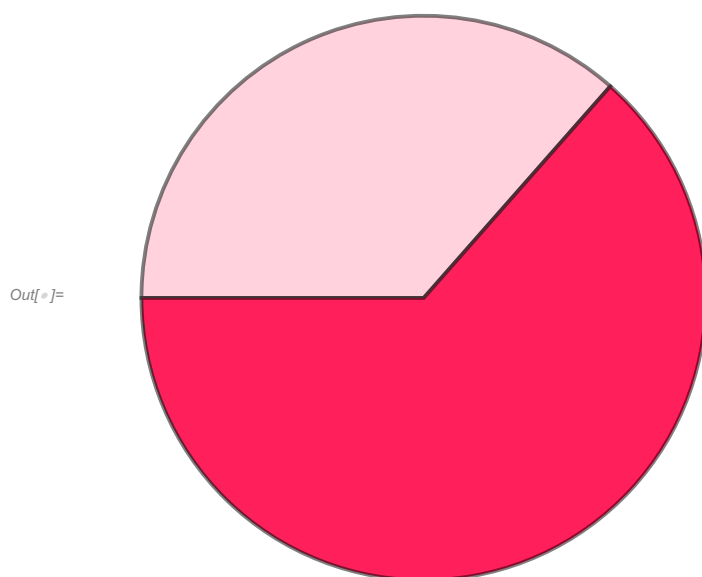
In[ ]:= transp =
  Show[BoxWhiskerChart[visRespAllV2m, {"Whiskers", Directive[Transparent, Thick]},
    {"Fences", Directive[Transparent, Thick]}, {"MedianMarker", Directive[Transparent, Thickness[0.009]]}],
  PlotRange → {{-0.64, 2.0}, {-4, 10}}, ChartStyle → Transparent, Frame → False],
  DistributionChart[visRespAllV2m, PlotRange → {{-0.5, 0.9}, {-4, 10}}, ChartStyle →
  Directive[EdgeForm[Transparent], Opacity[0.2], Transparent], Frame → False],
  FrameTicks → {{LinTicks[-4, 10, 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]];

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In[ ]:= g = GraphicsRow[{v1AxonCharts, lmAxonCharts, lpAxonCharts, v2mAxonCharts, transp},
  Spacings -> {{-280, -280, -280, -280, -480}}, ImageSize -> 400]
```



```
In[ ]:= PieChart[{Length[visRespNonRespV1toV2m],
  Length[visRespAllV1toV2m] - Length[visRespNonRespV1toV2m]},
  ChartBaseStyle -> EdgeForm[{Thick, Black}], ChartStyle -> {Lighter[v1Color, 0.8], v1Color}]
```

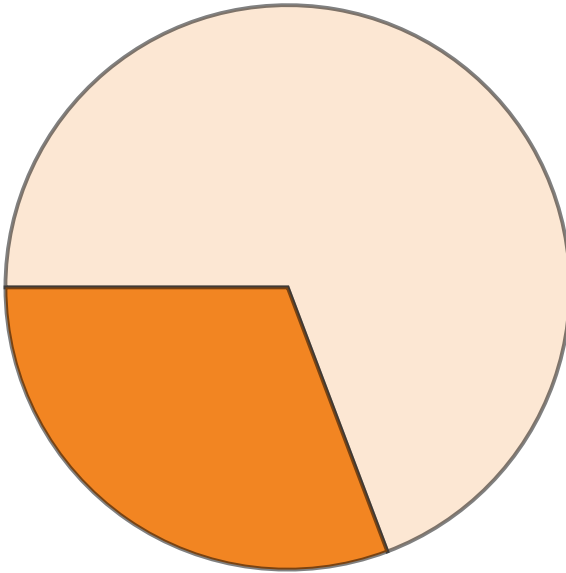



```

In[ ]:= PieChart[{Length[visRespNonRespLMtoV2m],
  Length[visRespAllLMtoV2m] - Length[visRespNonRespLMtoV2m]},
  ChartBaseStyle → EdgeForm[{Thick, Black}], ChartStyle → {Lighter[lmColor, 0.8], lmColor}]

```

Out[]:=

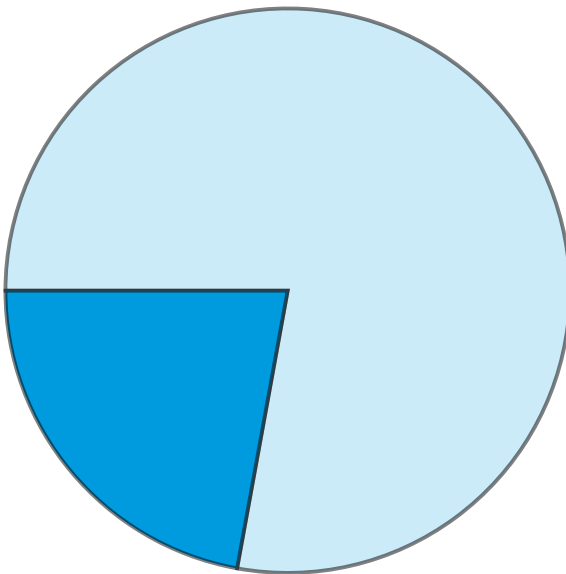


```

In[ ]:= PieChart[{Length[visRespNonRespLPtoV2m],
  Length[visRespAllLPtoV2m] - Length[visRespNonRespLPtoV2m]},
  ChartBaseStyle → EdgeForm[{Thick, Black}], ChartStyle → {Lighter[lpColor, 0.8], lpColor}]

```

Out[]:=



```
In[ ]:= PieChart[{Length[visRespNonRespV2m], Length[visRespAllV2m] - Length[visRespNonRespV2m]},  
  ChartBaseStyle → EdgeForm[{Thick, Black}],  
  ChartStyle → {Lighter[v2mColor, 0.8], v2mColor}]
```

Out[]:=

