```
(*****************Analysis across projection types*****************************)

ccColor = RGBColor["#ff1f5b"];

ctColor = Blue;

ccData =
  {ToExpression /@ Import[StringJoin["F:/FigureGeneration/FigureS4/FigureS4Data/V1CC/",
      "Mouse23112", "/", "Mouse23112", "_meanLaminarFluor.txt"], "List"],
   ToExpression /@ Import[StringJoin["F:/FigureGeneration/FigureS4/FigureS4Data/V1CC/",
      "Mouse23166", "/", "Mouse23166", "_meanLaminarFluor.txt"], "List"],
   ToExpression /@ Import[StringJoin["F:/FigureGeneration/FigureS4/FigureS4Data/V1CC/",
      "Mouse23184", "/", "Mouse23184", "_meanLaminarFluor.txt"], "List"]};

ccInterp = Interpolation /@ ccData;

meanCC =
  Mean[Table[Table[{n, ccInterp[[m]][n]}, {n, 0, 149, 0.15}], {m, 1, Length[ccInterp]}]];

semCC = StandardDeviation[Table[Table[ccInterp[[m]][n], {n, 0, 149, 0.15}],
    {m, 1, Length[ccInterp]}]] / Sqrt[Length[ccInterp]];

meanPlusSEMcc =
  Table[{meanCC[[n, 1]], meanCC[[n, 2]] + semCC[[n]]}, {n, 1, Length[meanCC]}];

meanMinusSEMcc =
  Table[{meanCC[[n, 1]], meanCC[[n, 2]] - semCC[[n]]}, {n, 1, Length[meanCC]}];

ctData =
  {ToExpression /@ Import[StringJoin["F:/FigureGeneration/FigureS4/FigureS4Data/V1CT/",
      "Mouse23131", "/", "Mouse23131", "_meanLaminarFluor.txt"], "List"],
   ToExpression /@ Import[StringJoin["F:/FigureGeneration/FigureS4/FigureS4Data/V1CT/",
      "Mouse23132", "/", "Mouse23132", "_meanLaminarFluor.txt"], "List"],
   ToExpression /@ Import[StringJoin["F:/FigureGeneration/FigureS4/FigureS4Data/V1CT/",
      "Mouse23138", "/", "Mouse23138", "_meanLaminarFluor.txt"], "List"]};

ctInterp = Interpolation /@ ctData;

meanCT =
  Mean[Table[Table[{n, ctInterp[[m]][n]}, {n, 0, 149, 0.15}], {m, 1, Length[ctInterp]}]];

semCT = StandardDeviation[Table[Table[ctInterp[[m]][n], {n, 0, 149, 0.15}],
    {m, 1, Length[ctInterp]}]] / Sqrt[Length[ctInterp]];

meanPlusSEMct =
  Table[{meanCT[[n, 1]], meanCT[[n, 2]] + semCT[[n]]}, {n, 1, Length[meanCT]}];

meanMinusSEMct =
  Table[{meanCT[[n, 1]], meanCT[[n, 2]] - semCT[[n]]}, {n, 1, Length[meanCT]}];
```

In[ ]:=
```
ListLinePlot[{meanCC, meanPlusSEMcc, meanMinusSEMcc, meanCT, meanPlusSEMct,
  meanMinusSEMct}, Filling → {1 → {{2}, Directive[Opacity[0.2], ccColor]},
   1 → {{3}, Directive[Opacity[0.2], ccColor]}, 4 →
    {{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},
 PlotRange → {{0, 149}, {0, 0.8}}, FrameTicks →
  {{LinTicks[0, 0.8, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None},
   {LinTicks[0, 149, MajorTickLength → {0, .03}, MinorTickLength → {0, 0}], None}},
 Axes → False, TicksStyle → Thick, FrameStyle → Thick,
 Frame → {{True, None}, {True, None}},
 FrameTicksStyle -> Directive[FontOpacity -> 0, FontSize -> 0]]
```

Out[ ]=