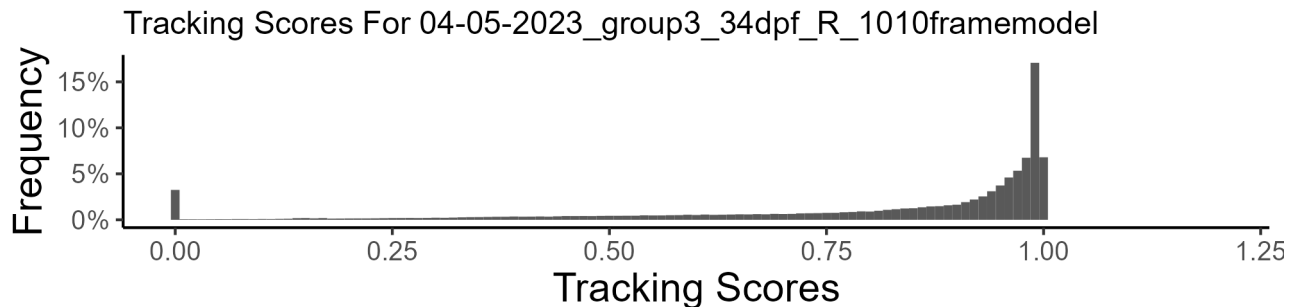
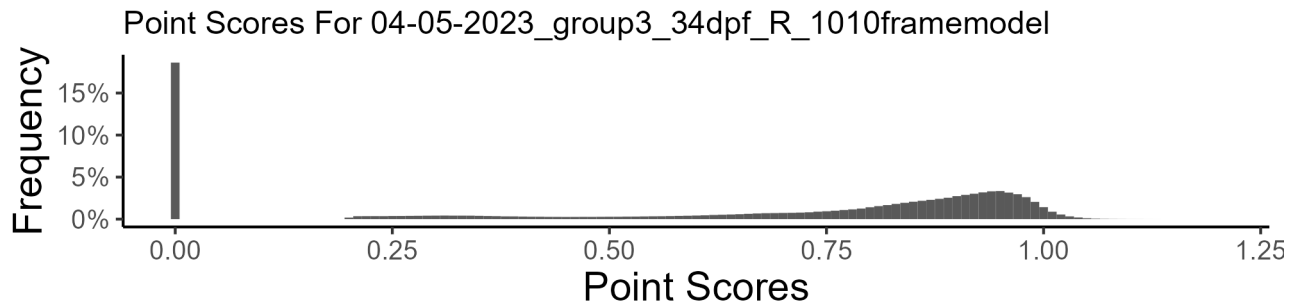
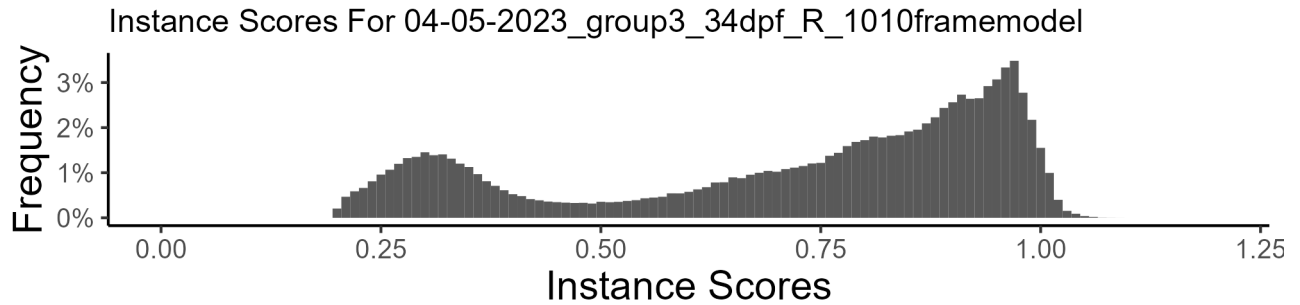
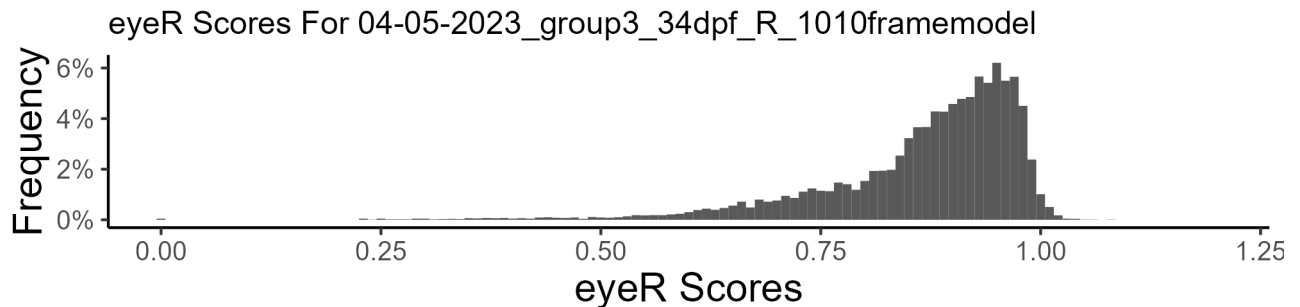
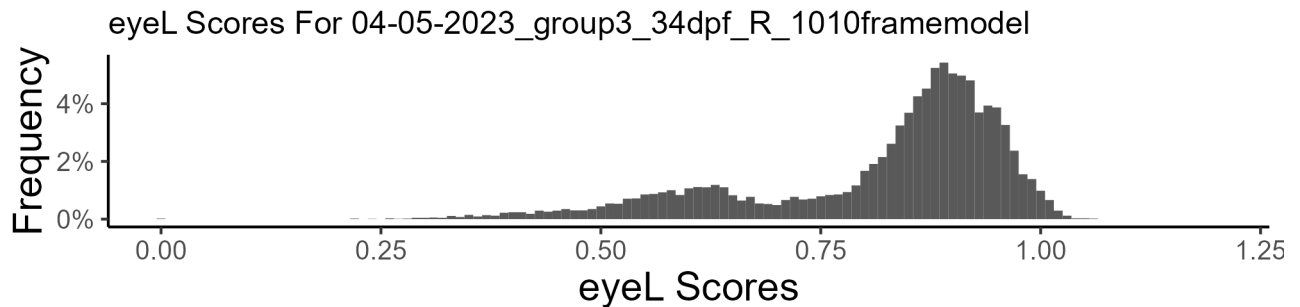
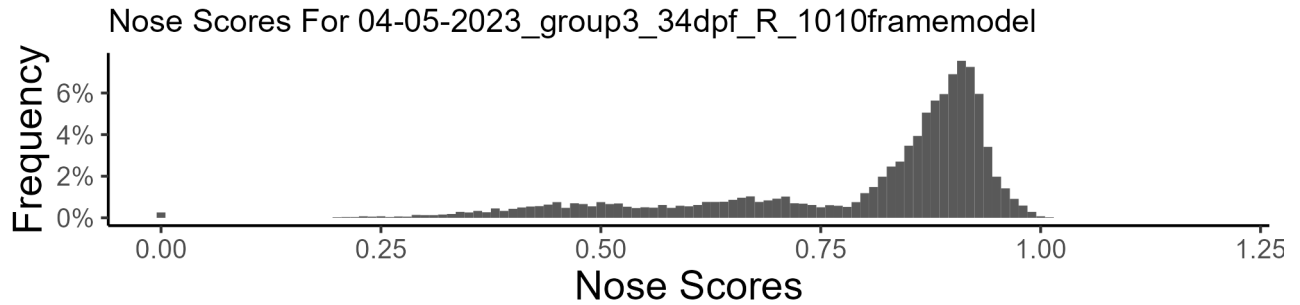


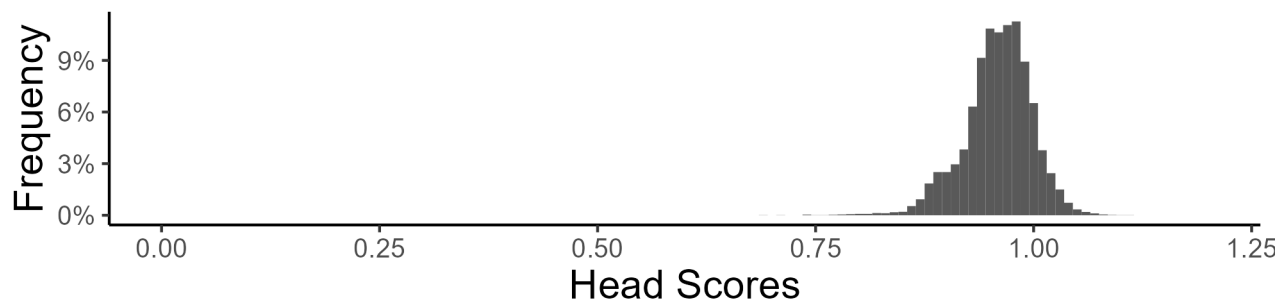
# Overall Model MLE Scores, compared to Training Dataset



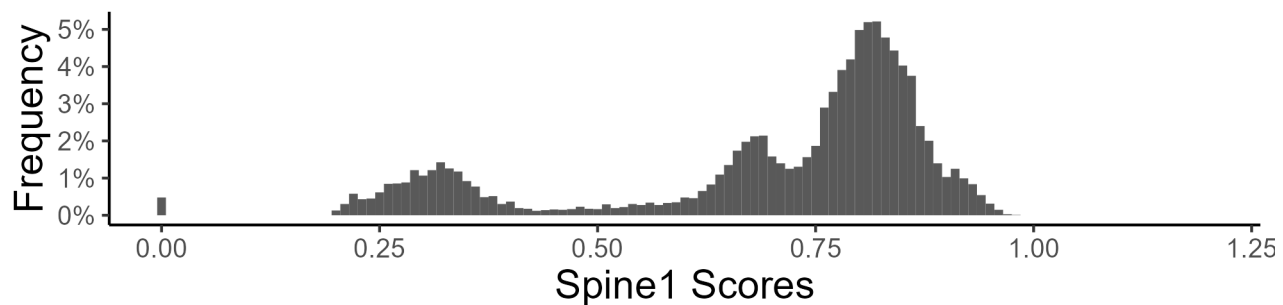
# Node MLE Scores, compared to Training Dataset



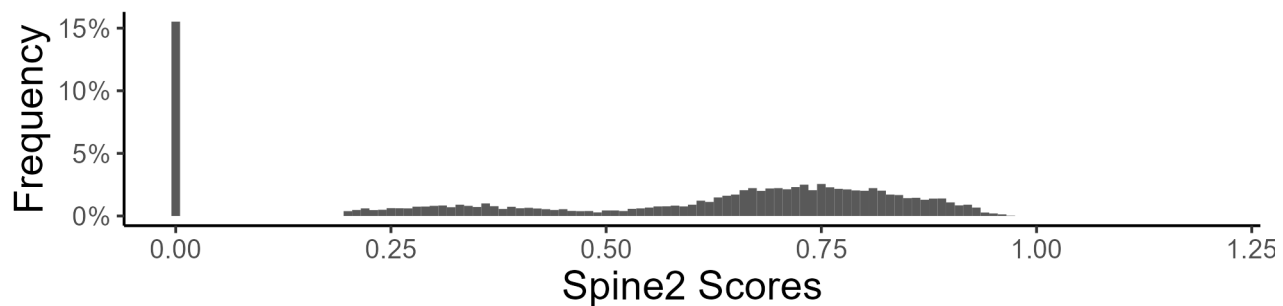
Head Scores For 04-05-2023\_group3\_34dpf\_R\_1010framemodel



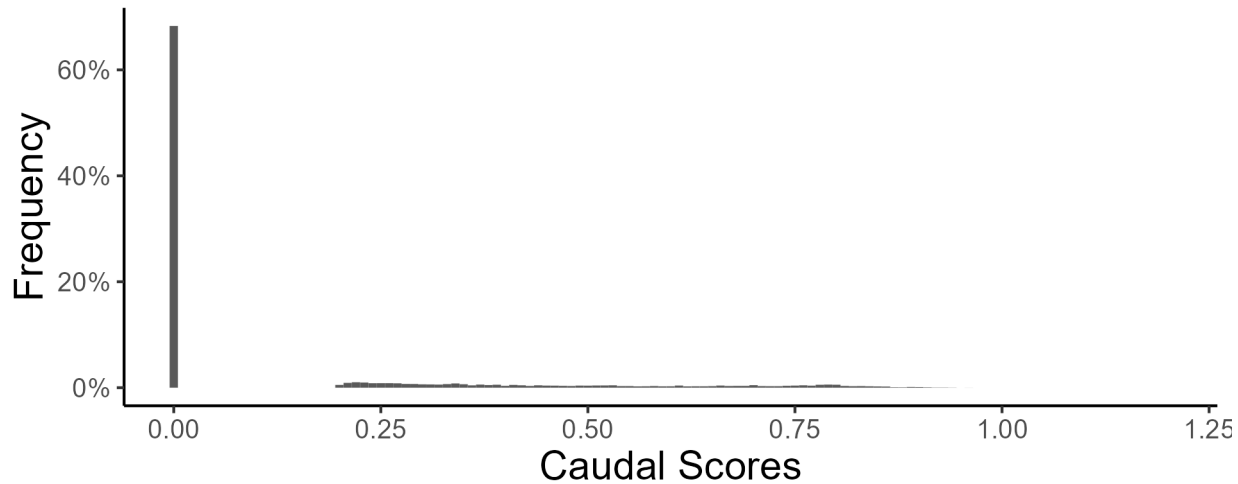
Spine1 Scores For 04-05-2023\_group3\_34dpf\_R\_1010framemodel



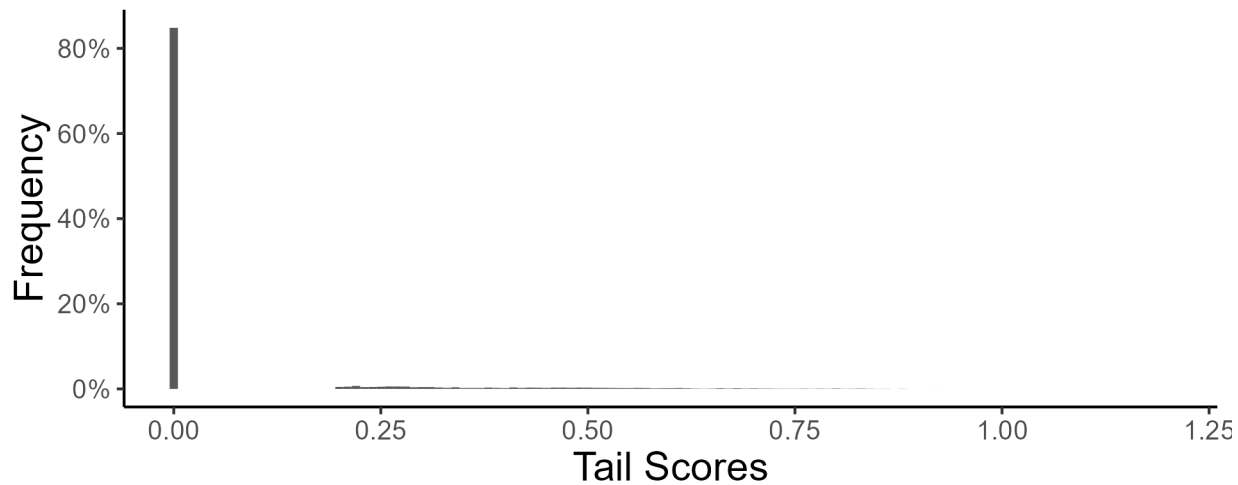
Spine2 Scores For 04-05-2023\_group3\_34dpf\_R\_1010framemodel



Caudal Scores For 04-05-2023\_group3\_34dpf\_R\_1010framemodel



Tail Scores For 04-05-2023\_group3\_34dpf\_R\_1010framemodel



# NA Count for each Fish, for each Node

|   | track | nodes  | nacount |   | track | nodes  | nacount |   | track | nodes  | nacount |
|---|-------|--------|---------|---|-------|--------|---------|---|-------|--------|---------|
| 1 | 0     | nose   | 34170   | 1 | 1     | nose   | 38867   | 1 | 2     | nose   | 38917   |
| 2 | 0     | eyeL   | 34144   | 2 | 1     | eyeL   | 38862   | 2 | 2     | eyeL   | 38900   |
| 3 | 0     | eyeR   | 34147   | 3 | 1     | eyeR   | 38865   | 3 | 2     | eyeR   | 38903   |
| 4 | 0     | head   | 34142   | 4 | 1     | head   | 38862   | 4 | 2     | head   | 38898   |
| 5 | 0     | spine1 | 34194   | 5 | 1     | spine1 | 38902   | 5 | 2     | spine1 | 38978   |
| 6 | 0     | spine2 | 35830   | 6 | 1     | spine2 | 39719   | 6 | 2     | spine2 | 40014   |
| 7 | 0     | caudal | 41569   | 7 | 1     | caudal | 42328   | 7 | 2     | caudal | 42960   |
| 8 | 0     | tail   | 43368   | 8 | 1     | tail   | 43679   | 8 | 2     | tail   | 44266   |

|   | track | nodes  | nacount |
|---|-------|--------|---------|
| 1 | 3     | nose   | 35366   |
| 2 | 3     | eyeL   | 35330   |
| 3 | 3     | eyeR   | 35331   |
| 4 | 3     | head   | 35326   |
| 5 | 3     | spine1 | 35376   |
| 6 | 3     | spine2 | 36347   |
| 7 | 3     | caudal | 40886   |
| 8 | 3     | tail   | 43110   |

|   | track | nodes  | nacount |
|---|-------|--------|---------|
| 1 | 4     | nose   | 34047   |
| 2 | 4     | eyeL   | 34030   |
| 3 | 4     | eyeR   | 34032   |
| 4 | 4     | head   | 34029   |
| 5 | 4     | spine1 | 34058   |
| 6 | 4     | spine2 | 34907   |
| 7 | 4     | caudal | 37337   |
| 8 | 4     | tail   | 39947   |