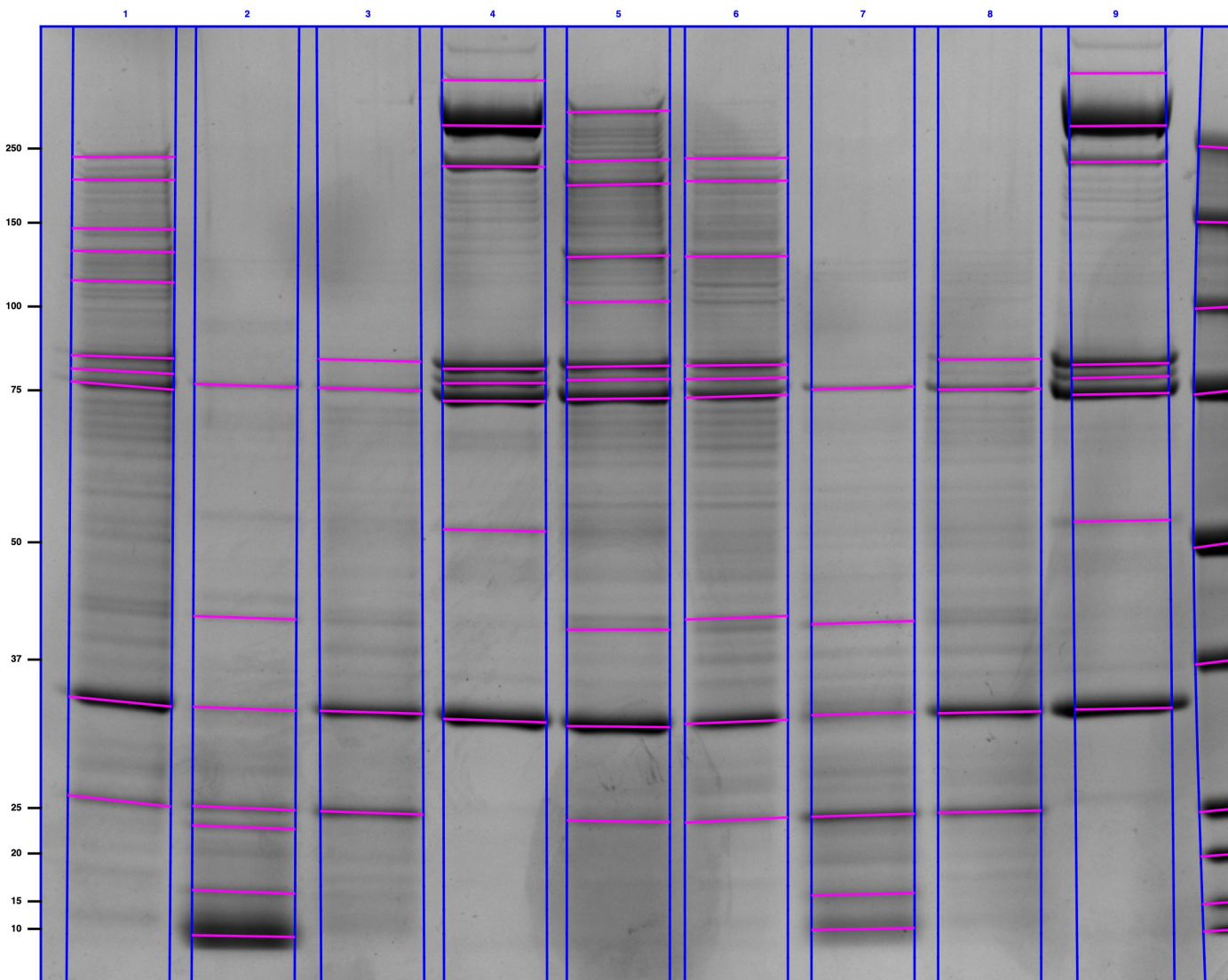


Image Report: 30.06.23 I2 I2 a3 b3 c3 d3 e3 f3 crt3scn



/Users/ceciliarudelli/Desktop/DOTTORATO/progettoPOLLINE/settimana1.30-06/gel/30.06.23 I2 I2
a3 b3 c3 d3 e3 f3 crt3scn.scn

Acquisition Information

| | |
|---------------------|------------------------------|
| Imager | ChemiDoc MP |
| Exposure Time (sec) | 7.666 (Auto - Intense Bands) |
| Flat Field | Applied (White) |
| Serial Number | 731BR02881 |
| Software Version | 5.2.1 |
| Application | Coomassie Blue |
| Excitation Source | White Trans illumination |
| Emission Filter | Standard Filter |

Image Information

| | |
|------------------|----------------------|
| Acquisition Date | 17/7/2023 9:47:13 AM |
| User Name | FisioLab |
| Image Area (mm) | X: 71.9 Y: 54.5 |
| Pixel Size (µm) | X: 68.2 Y: 68.2 |
| Data Range (Int) | 14295 - 57939 |

Analysis Settings

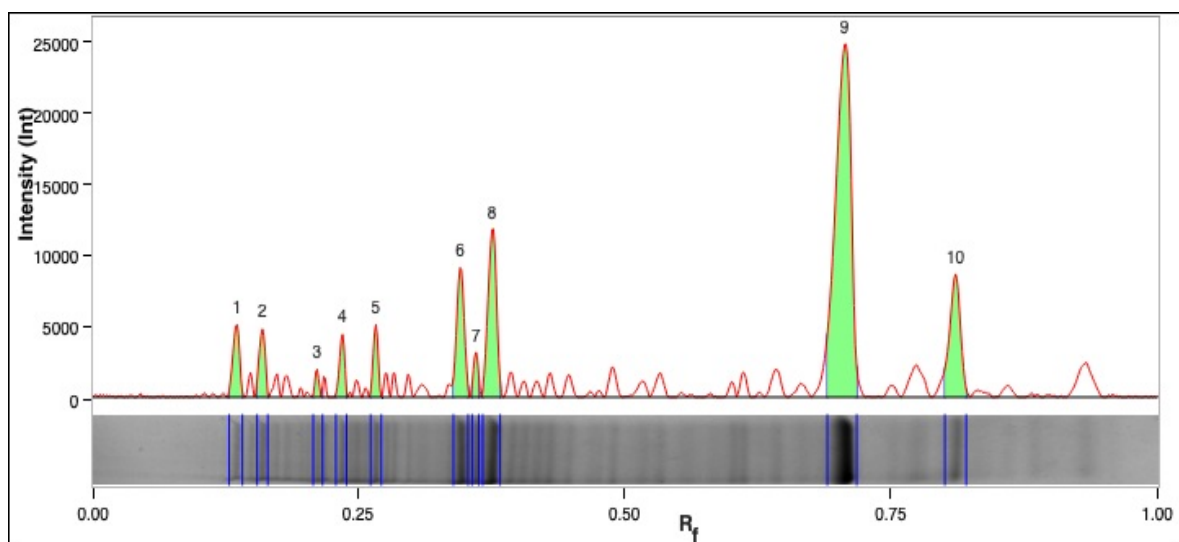
| | |
|----------------------|--|
| Detection | <p>Lane detection: Manually created lanes</p> <p>Band detection: Automatically detected bands with sensitivity: Low Manually adjusted bands</p> <p>Lane Background Subtraction: Lane background subtracted with disk size: 0.1</p> <p>Lane width: Variable</p> |
| Mol. Weight Analysis | <p>Standard: Bio-Rad Precision Plus Standard lanes: last Regression method: Point to Point (semi-log)</p> |

Lane Statistics

| Lane No. | Adj. Total Band Vol. (Int) | Total Band Vol. (Int) | Adj. Total Lane Vol. (Int) | Total Lane Vol. (Int) | Bkgd. Vol. (Int) | Norm. Factor |
|----------|----------------------------|-----------------------|----------------------------|-----------------------|------------------|--------------|
| 1 | 59.782.040 | 337.929.690 | 85.772.186 | 1.833.105.910 | 1.747.333.724 | N/A |
| 2 | 70.769.830 | 346.764.384 | 84.162.610 | 1.707.220.314 | 1.623.057.704 | N/A |
| 3 | 38.275.762 | 167.298.294 | 56.295.772 | 1.696.946.324 | 1.640.650.552 | N/A |
| 4 | 155.189.494 | 500.192.340 | 170.945.812 | 1.812.182.626 | 1.641.236.814 | N/A |
| 5 | 88.931.396 | 473.977.734 | 108.634.340 | 1.987.836.336 | 1.879.201.996 | N/A |
| 6 | 54.989.518 | 328.259.764 | 81.792.536 | 1.808.038.974 | 1.726.246.438 | N/A |
| 7 | 50.533.256 | 249.477.744 | 75.801.690 | 1.597.656.830 | 1.521.855.140 | N/A |
| 8 | 44.576.036 | 178.585.536 | 63.379.936 | 1.630.211.614 | 1.566.831.678 | N/A |
| 9 | 137.221.776 | 429.036.183 | 153.466.569 | 1.690.489.521 | 1.537.022.952 | N/A |
| 10 | 200.707.304 | 686.076.072 | 208.636.716 | 1.566.983.500 | 1.358.346.784 | N/A |

Lane And Band Analysis

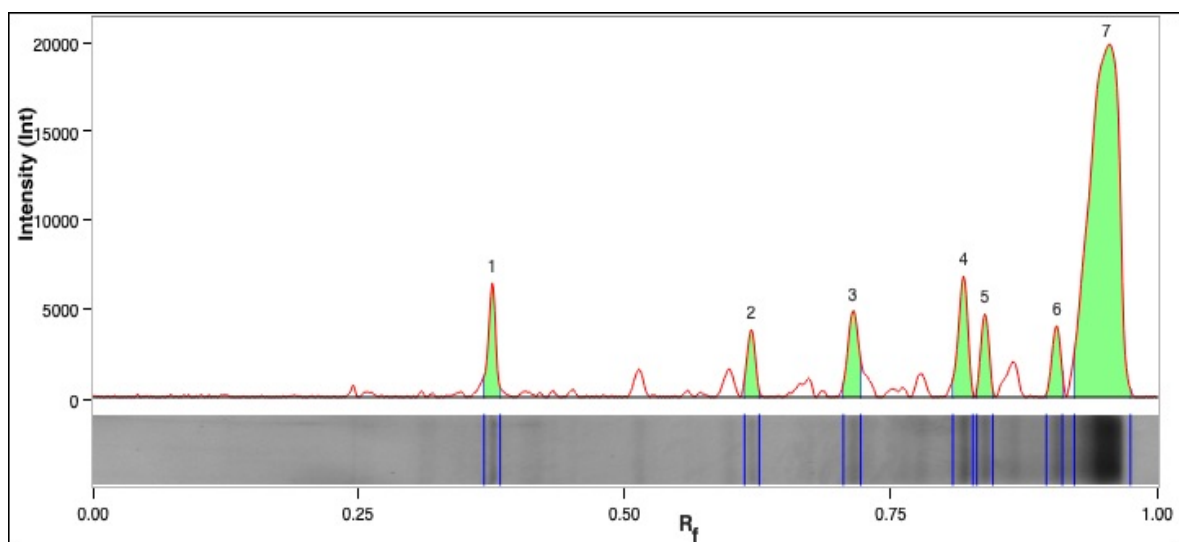
Lane 1



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 236,0 | 0,137 | 2.649.058 | 25.104.776 | N/A | N/A | 4,4 | 3,1 |
| 2 | | 201,8 | 0,160 | 2.150.516 | 20.372.712 | N/A | N/A | 3,6 | 2,5 |
| 3 | | 145,7 | 0,212 | 767.464 | 23.299.894 | N/A | N/A | 1,3 | 0,9 |
| 4 | | 130,5 | 0,236 | 1.742.876 | 23.554.970 | N/A | N/A | 2,9 | 2,0 |
| 5 | | 112,9 | 0,267 | 1.924.680 | 23.912.644 | N/A | N/A | 3,2 | 2,2 |
| 6 | | 84,1 | 0,346 | 5.203.946 | 34.507.414 | N/A | N/A | 8,7 | 6,1 |
| 7 | | 80,1 | 0,361 | 1.146.724 | 17.912.596 | N/A | N/A | 1,9 | 1,3 |
| 8 | | 76,2 | 0,376 | 7.767.950 | 47.296.818 | N/A | N/A | 13,0 | 9,1 |
| 9 | | 33,1 | 0,707 | 29.298.566 | 78.899.324 | N/A | N/A | 49,0 | 34,2 |
| 10 | | 25,5 | 0,811 | 7.130.260 | 43.068.542 | N/A | N/A | 11,9 | 8,3 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.87 mm |
| Regression Equation | A single equation is not available for this method |

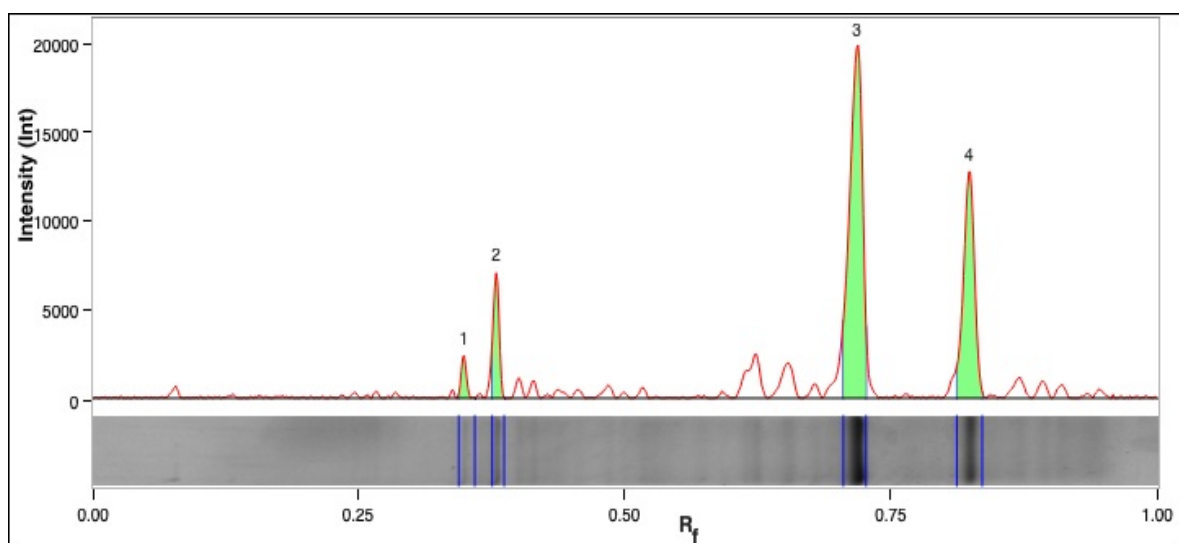
Lane 2



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 76,2 | 0,376 | 3.915.494 | 30.176.368 | N/A | N/A | 5,5 | 4,7 |
| 2 | | 41,2 | 0,619 | 2.594.620 | 26.118.028 | N/A | N/A | 3,7 | 3,1 |
| 3 | | 32,5 | 0,714 | 4.223.632 | 33.525.982 | N/A | N/A | 6,0 | 5,0 |
| 4 | | 25,0 | 0,818 | 5.397.962 | 42.918.472 | N/A | N/A | 7,6 | 6,4 |
| 5 | | 22,8 | 0,838 | 3.224.570 | 33.738.402 | N/A | N/A | 4,6 | 3,8 |
| 6 | | 15,9 | 0,906 | 2.861.306 | 35.554.120 | N/A | N/A | 4,0 | 3,4 |
| 7 | | 10,0 | 0,952 | 48.552.246 | 144.733.012 | N/A | N/A | 68,6 | 57,7 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.87 mm |
| Regression Equation | A single equation is not available for this method |

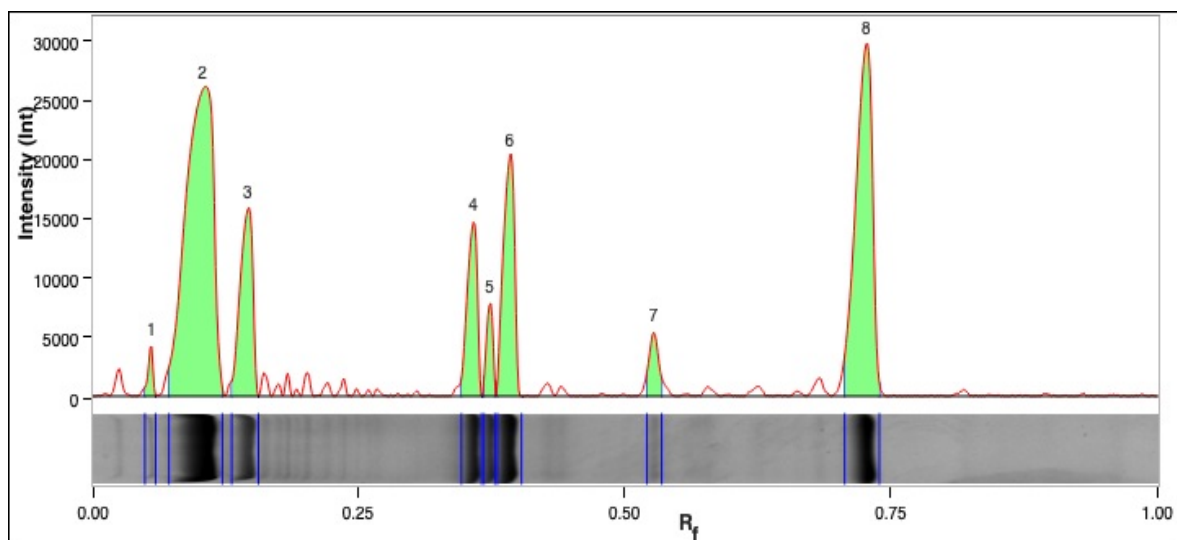
Lane 3



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 83,1 | 0,350 | 1.086.352 | 28.042.278 | N/A | N/A | 2,8 | 1,9 |
| 2 | | 75,3 | 0,380 | 3.284.598 | 22.081.532 | N/A | N/A | 8,6 | 5,8 |
| 3 | | 32,2 | 0,718 | 21.731.942 | 60.884.990 | N/A | N/A | 56,8 | 38,6 |
| 4 | | 24,4 | 0,823 | 12.172.870 | 56.289.494 | N/A | N/A | 31,8 | 21,6 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.87 mm |
| Regression Equation | A single equation is not available for this method |

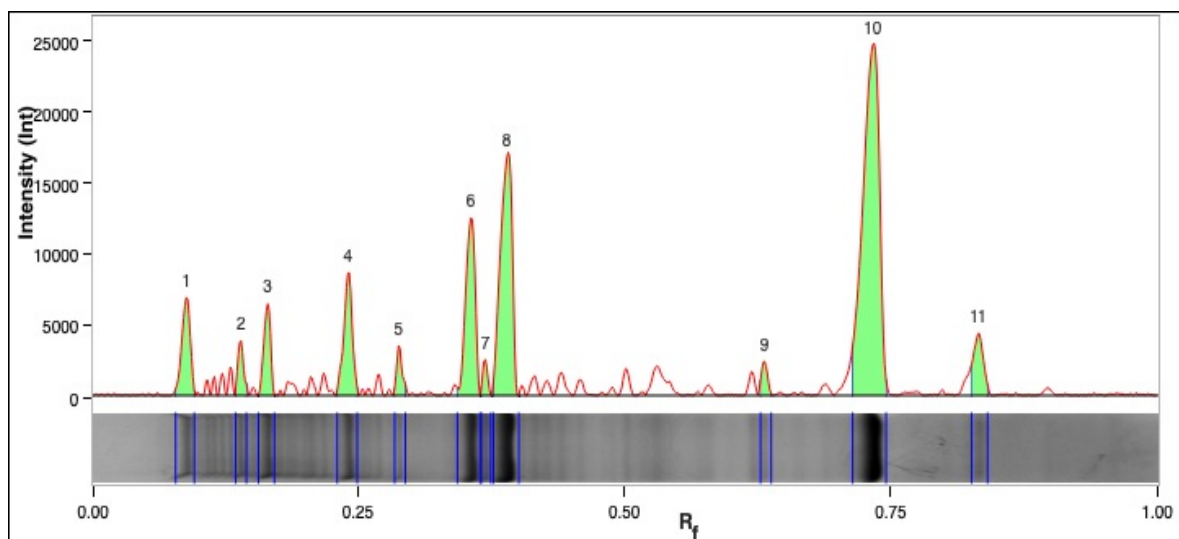
Lane 4



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 250,0 | 0,056 | 1.628.582 | 19.288.768 | N/A | N/A | 1,0 | 1,0 |
| 2 | | 250,0 | 0,104 | 58.809.294 | 144.964.954 | N/A | N/A | 37,9 | 34,4 |
| 3 | | 220,9 | 0,147 | 16.314.630 | 63.694.352 | N/A | N/A | 10,5 | 9,5 |
| 4 | | 80,8 | 0,358 | 11.852.864 | 54.655.580 | N/A | N/A | 7,6 | 6,9 |
| 5 | | 76,9 | 0,373 | 4.169.624 | 32.173.030 | N/A | N/A | 2,7 | 2,4 |
| 6 | | 72,9 | 0,392 | 18.464.458 | 67.849.184 | N/A | N/A | 11,9 | 10,8 |
| 7 | | 51,6 | 0,528 | 3.822.356 | 26.229.054 | N/A | N/A | 2,5 | 2,2 |
| 8 | | 31,5 | 0,727 | 40.127.686 | 91.337.418 | N/A | N/A | 25,9 | 23,5 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.87 mm |
| Regression Equation | A single equation is not available for this method |

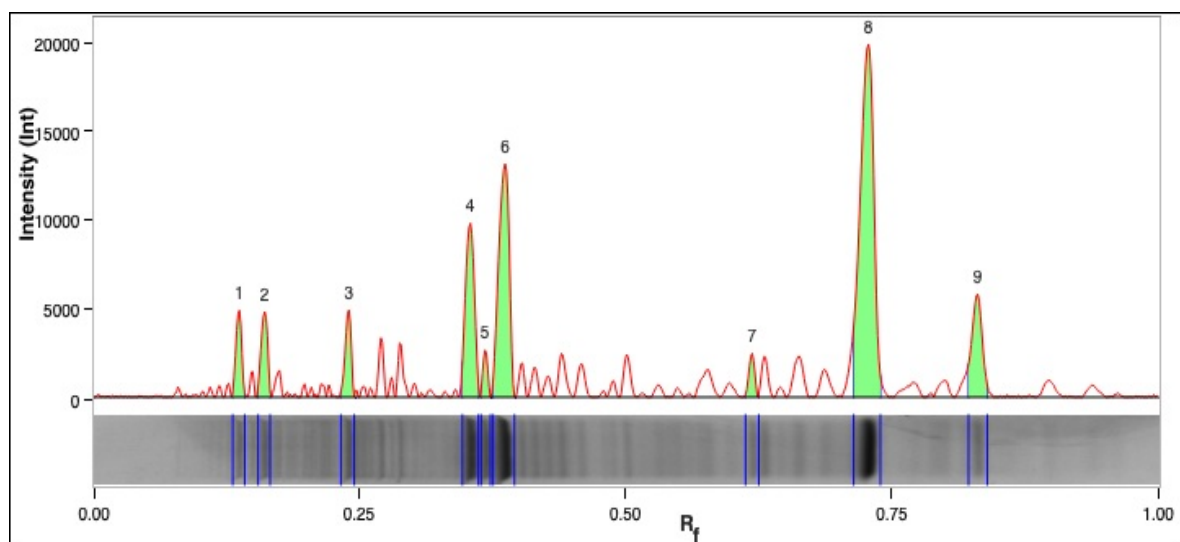
Lane 5



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 250,0 | 0,089 | 5.127.578 | 37.505.546 | N/A | N/A | 5,8 | 4,7 |
| 2 | | 230,2 | 0,140 | 1.970.862 | 25.474.748 | N/A | N/A | 2,2 | 1,8 |
| 3 | | 195,3 | 0,165 | 3.844.544 | 39.762.014 | N/A | N/A | 4,3 | 3,5 |
| 4 | | 127,5 | 0,241 | 6.464.706 | 46.886.770 | N/A | N/A | 7,3 | 6,0 |
| 5 | | 102,3 | 0,288 | 1.700.736 | 22.939.296 | N/A | N/A | 1,9 | 1,6 |
| 6 | | 81,4 | 0,356 | 10.418.470 | 59.258.816 | N/A | N/A | 11,7 | 9,6 |
| 7 | | 77,8 | 0,370 | 1.088.846 | 24.186.038 | N/A | N/A | 1,2 | 1,0 |
| 8 | | 73,3 | 0,390 | 17.691.490 | 71.538.928 | N/A | N/A | 19,9 | 16,3 |
| 9 | | 40,0 | 0,632 | 1.174.846 | 18.864.702 | N/A | N/A | 1,3 | 1,1 |
| 10 | | 31,0 | 0,733 | 35.676.670 | 92.114.514 | N/A | N/A | 40,1 | 32,8 |
| 11 | | 23,4 | 0,832 | 3.772.648 | 35.446.362 | N/A | N/A | 4,2 | 3,5 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.87 mm |
| Regression Equation | A single equation is not available for this method |

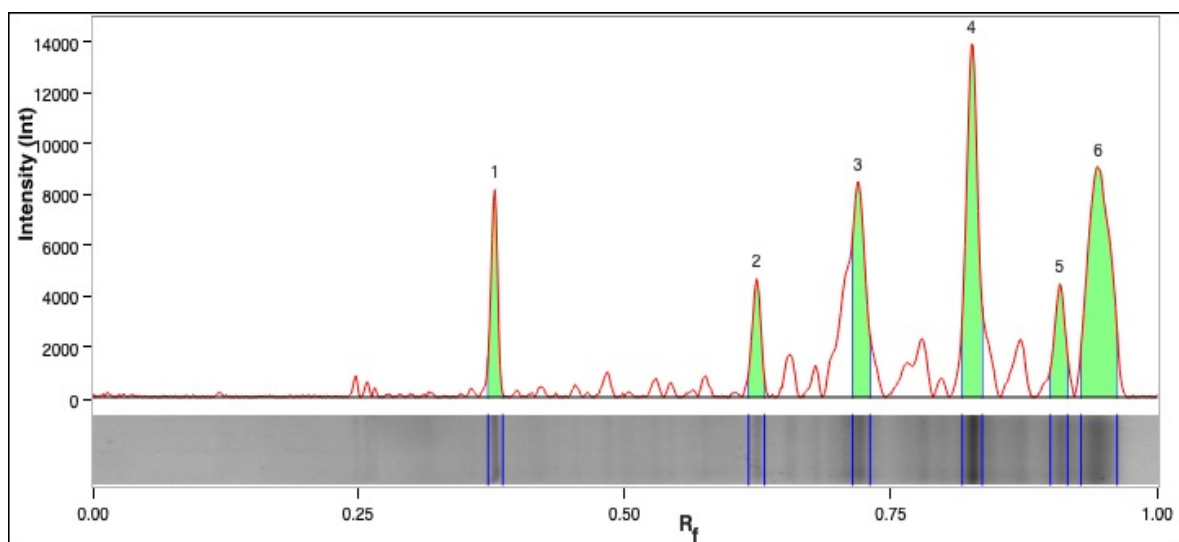
Lane 6



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 234,1 | 0,138 | 2.341.264 | 24.144.586 | N/A | N/A | 4,3 | 2,9 |
| 2 | | 200,1 | 0,162 | 2.627.902 | 25.947.232 | N/A | N/A | 4,8 | 3,2 |
| 3 | | 127,5 | 0,241 | 2.423.566 | 29.981.836 | N/A | N/A | 4,4 | 3,0 |
| 4 | | 81,8 | 0,355 | 7.026.716 | 39.171.366 | N/A | N/A | 12,8 | 8,6 |
| 5 | | 78,1 | 0,368 | 1.053.328 | 23.454.092 | N/A | N/A | 1,9 | 1,3 |
| 6 | | 73,8 | 0,387 | 11.394.140 | 55.384.086 | N/A | N/A | 20,7 | 13,9 |
| 7 | | 41,2 | 0,619 | 1.247.430 | 28.554.236 | N/A | N/A | 2,3 | 1,5 |
| 8 | | 31,4 | 0,728 | 21.946.512 | 65.809.608 | N/A | N/A | 39,9 | 26,8 |
| 9 | | 23,6 | 0,831 | 4.928.660 | 35.812.722 | N/A | N/A | 9,0 | 6,0 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.87 mm |
| Regression Equation | A single equation is not available for this method |

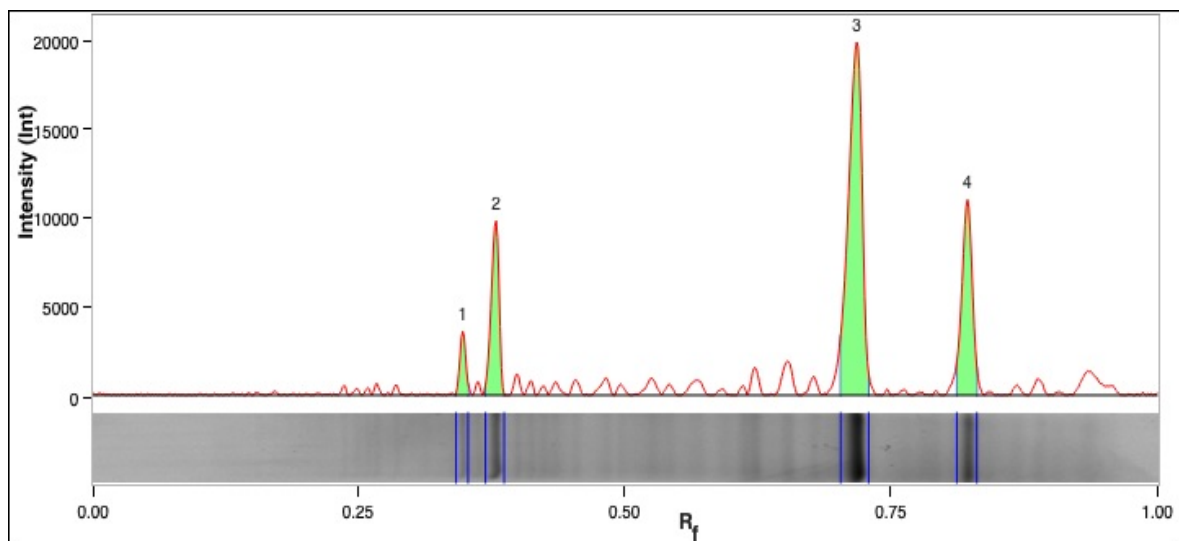
Lane 7



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 75,6 | 0,378 | 4.485.072 | 25.398.294 | N/A | N/A | 8,9 | 5,9 |
| 2 | | 40,7 | 0,624 | 3.476.292 | 28.124.752 | N/A | N/A | 6,9 | 4,6 |
| 3 | | 32,1 | 0,719 | 7.758.834 | 33.317.002 | N/A | N/A | 15,4 | 10,2 |
| 4 | | 24,1 | 0,826 | 13.671.248 | 51.446.404 | N/A | N/A | 27,1 | 18,0 |
| 5 | | 15,7 | 0,909 | 3.951.098 | 35.854.346 | N/A | N/A | 7,8 | 5,2 |
| 6 | | 10,0 | 0,945 | 17.190.712 | 75.336.946 | N/A | N/A | 34,0 | 22,7 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.87 mm |
| Regression Equation | A single equation is not available for this method |

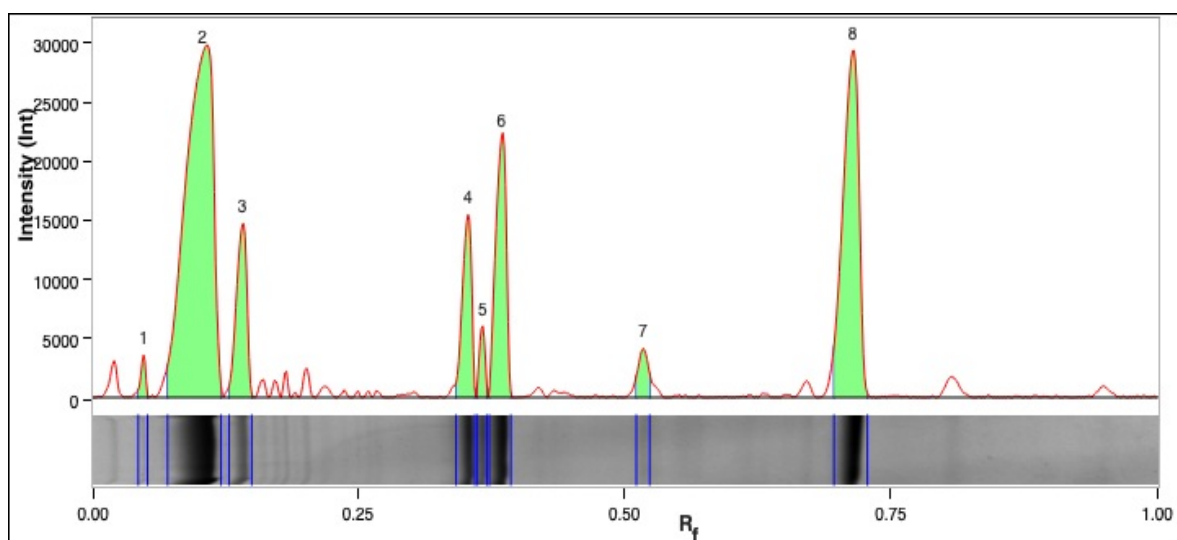
Lane 8



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 83,5 | 0,348 | 1.952.114 | 23.266.010 | N/A | N/A | 4,4 | 3,1 |
| 2 | | 75,3 | 0,380 | 7.124.154 | 38.750.998 | N/A | N/A | 16,0 | 11,2 |
| 3 | | 32,2 | 0,718 | 25.129.544 | 71.663.026 | N/A | N/A | 56,4 | 39,6 |
| 4 | | 24,6 | 0,822 | 10.370.224 | 44.905.502 | N/A | N/A | 23,3 | 16,4 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.87 mm |
| Regression Equation | A single equation is not available for this method |

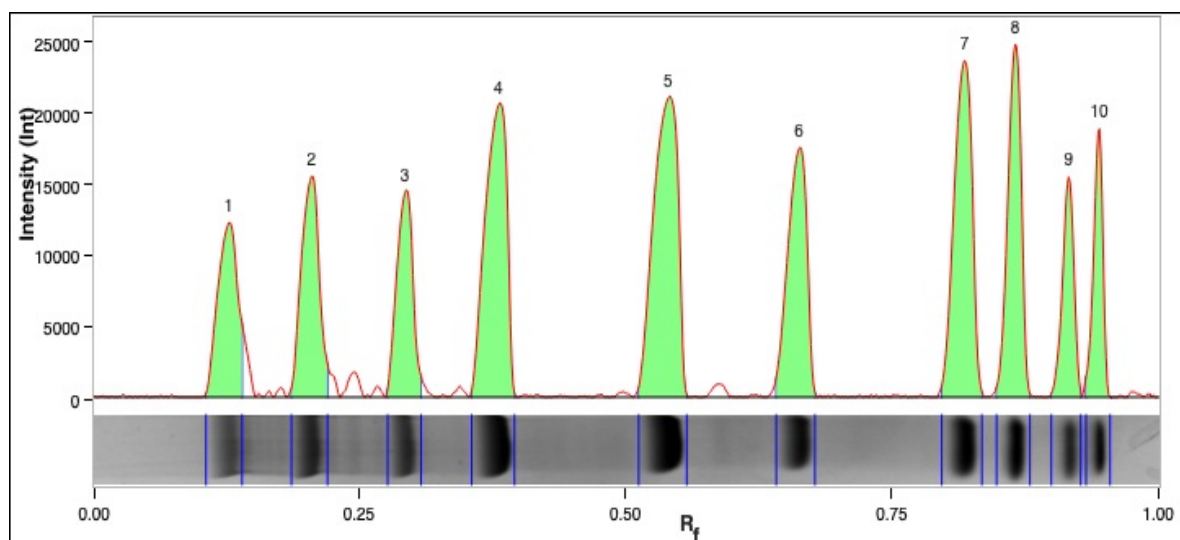
Lane 9



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 250,0 | 0,049 | 1.226.259 | 14.257.377 | N/A | N/A | 0,9 | 0,8 |
| 2 | | 250,0 | 0,104 | 59.174.712 | 133.963.794 | N/A | N/A | 43,1 | 38,6 |
| 3 | | 228,3 | 0,142 | 11.132.154 | 44.348.391 | N/A | N/A | 8,1 | 7,3 |
| 4 | | 82,1 | 0,353 | 10.172.223 | 46.086.813 | N/A | N/A | 7,4 | 6,6 |
| 5 | | 78,5 | 0,367 | 2.479.653 | 24.517.161 | N/A | N/A | 1,8 | 1,6 |
| 6 | | 74,3 | 0,385 | 16.930.215 | 59.248.746 | N/A | N/A | 12,3 | 11,0 |
| 7 | | 53,0 | 0,518 | 2.829.249 | 24.472.692 | N/A | N/A | 2,1 | 1,8 |
| 8 | | 32,5 | 0,714 | 33.277.311 | 82.141.209 | N/A | N/A | 24,3 | 21,7 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 5.53 mm |
| Regression Equation | A single equation is not available for this method |

Lane 10 - Bio-Rad Precision Plus



| Band No. | Band Label | Mol. Wt. (KDa) | Relative Front | Adj. Volume (Int) | Volume (Int) | Abs. Quant. | Rel. Quant. | Band % | Lane % |
|----------|------------|----------------|----------------|-------------------|--------------|-------------|-------------|--------|--------|
| 1 | | 250,0 | 0,128 | 15.240.908 | 61.765.692 | N/A | N/A | 7,6 | 7,3 |
| 2 | | 150,0 | 0,206 | 17.595.272 | 70.672.332 | N/A | N/A | 8,8 | 8,4 |
| 3 | | 100,0 | 0,293 | 14.890.096 | 63.971.748 | N/A | N/A | 7,4 | 7,1 |
| 4 | | 75,0 | 0,381 | 28.370.348 | 88.646.636 | N/A | N/A | 14,1 | 13,6 |
| 5 | | 50,0 | 0,540 | 32.762.128 | 99.108.096 | N/A | N/A | 16,3 | 15,7 |
| 6 | | 37,0 | 0,663 | 21.143.376 | 72.545.052 | N/A | N/A | 10,5 | 10,1 |
| 7 | | 25,0 | 0,818 | 27.089.364 | 75.435.324 | N/A | N/A | 13,5 | 13,0 |
| 8 | | 20,0 | 0,866 | 21.280.464 | 61.019.936 | N/A | N/A | 10,6 | 10,2 |
| 9 | | 15,0 | 0,916 | 11.168.728 | 50.853.324 | N/A | N/A | 5,6 | 5,4 |
| 10 | | 10,0 | 0,945 | 11.166.620 | 42.057.932 | N/A | N/A | 5,6 | 5,4 |

| | |
|---------------------|--|
| Band Detection | Automatically detected bands with sensitivity: Low |
| Lane Background | Lane background subtracted with disk size: 0.1 |
| Lane Width | 4.64 mm |
| Regression Equation | A single equation is not available for this method |