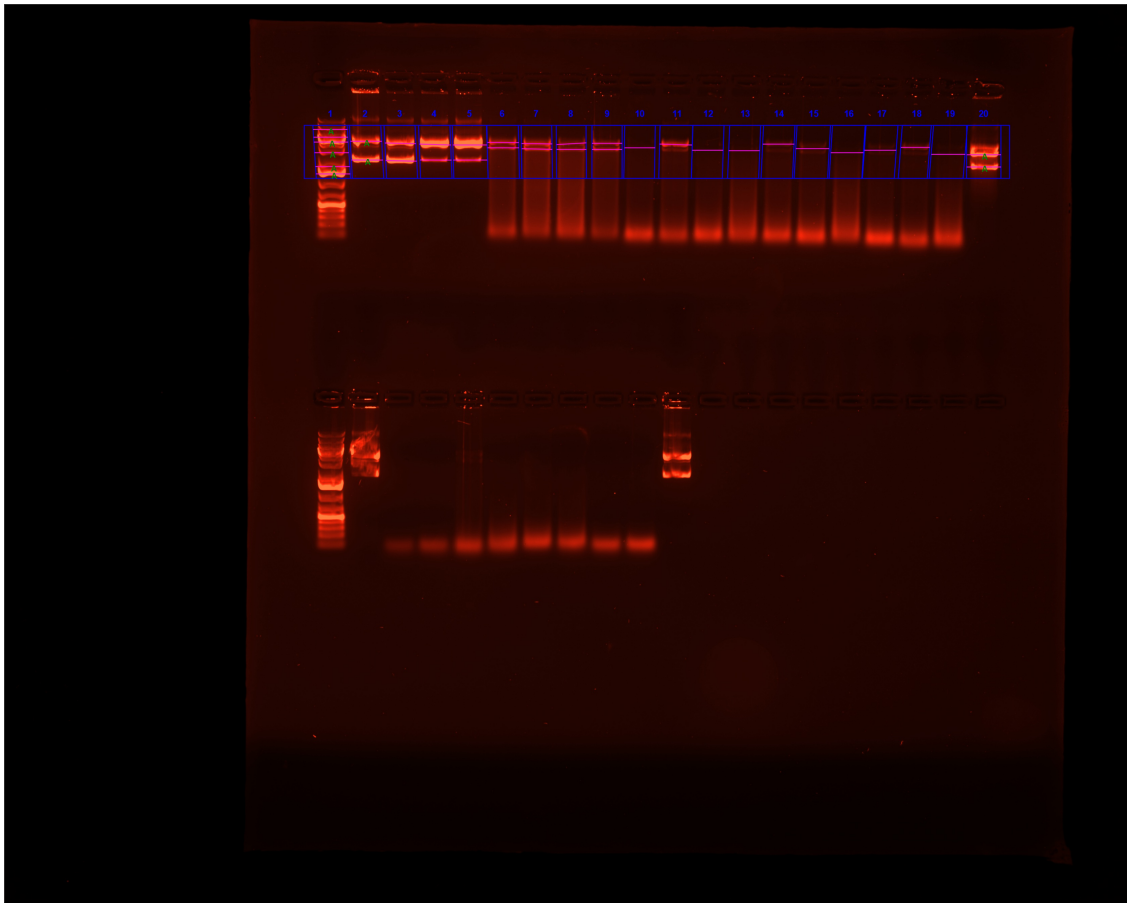
Image Report: Lab Molecolare 2020-12-03 12h32m47s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\titolazione metalli 1L2 ChemiDoc Images 2020-12-03_12.33.19\Lab Molecolare 2020-12-03 12h32m47s.scn

---

Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.500 (Manual)
Flat Field	Applied (Red Plate / UV Trans / Green Filter)
Serial Number	734BR-2850
Software Version	2.3.0.07
Application	Ethidium Bromide
Excitation Source	UV Trans Illumination
Emission Filter	602/50 Filter

Image Information

Acquisition Date	03/12/2020 12:32:47
User Name	Lab Molecolare
Image Area (mm)	X: 210.0 Y: 168.0
Pixel Size (µm)	X: 76.4 Y: 76.4
Data Range (Int)	19 - 65535

Analysis Settings

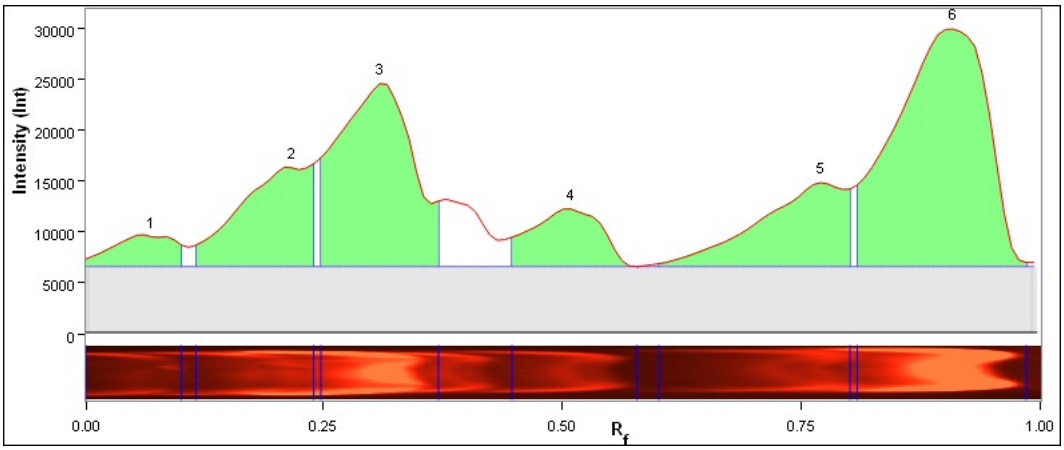
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: High Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: Variable
Quantity Analysis	Quantity Standard Bands: Lane 1 Band 1 Quantity 20.0 ng Lane 1 Band 3 Quantity 75.0 ng Lane 1 Band 4 Quantity 20.0 ng Lane 1 Band 5 Quantity 20.0 ng Lane 1 Band 6 Quantity 80.0 ng Lane 2 Band 1 Quantity 90.0 ng Lane 2 Band 2 Quantity 110.0 ng Lane 20 Band 1 Quantity 90.0 ng Lane 20 Band 2 Quantity 110.0 ng Quantity regression method: Linear Regression equation: y = 2.54E-06 * x + 10.6 R-squared value: R^2 = 0.788025

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	84.816.564	156.934.428	89.180.112	169.311.072	80.130.960	N/A
2	62.437.529	87.269.721	68.706.407	119.146.797	50.440.390	N/A
3	64.848.292	81.578.932	81.630.080	129.963.040	48.332.960	N/A
4	64.001.014	77.445.445	79.791.404	127.028.594	47.237.190	N/A
5	81.405.240	96.641.916	99.682.968	150.471.888	50.788.920	N/A
6	14.341.096	23.952.313	27.411.076	73.687.306	46.276.230	N/A
7	20.026.950	31.068.450	37.792.125	80.009.625	42.217.500	N/A
8	11.617.001	21.597.488	28.973.116	68.290.186	39.317.070	N/A
9	12.482.394	22.186.014	23.189.306	63.881.906	40.692.600	N/A
10	1.620.825	9.474.750	6.824.475	42.031.725	35.207.250	N/A
11	14.892.240	23.820.240	22.677.200	60.117.200	37.440.000	N/A
12	1.335.624	8.117.484	6.639.588	39.292.988	32.653.400	N/A
13	1.560.356	6.875.036	9.244.944	42.145.344	32.900.400	N/A
14	5.203.275	13.593.657	11.778.536	44.831.556	33.053.020	N/A
15	4.806.922	13.258.826	11.123.710	45.459.570	34.335.860	N/A
16	1.358.640	6.726.640	9.172.720	40.892.720	31.720.000	N/A
17	3.108.768	10.568.298	7.741.110	39.023.010	31.281.900	N/A
18	6.150.162	13.457.340	10.744.288	38.683.498	27.939.210	N/A
19	2.002.209	10.353.420	6.578.414	39.477.124	32.898.710	N/A
20	67.966.416	84.306.936	84.511.980	127.864.380	43.352.400	N/A

Lane And Band Analysis

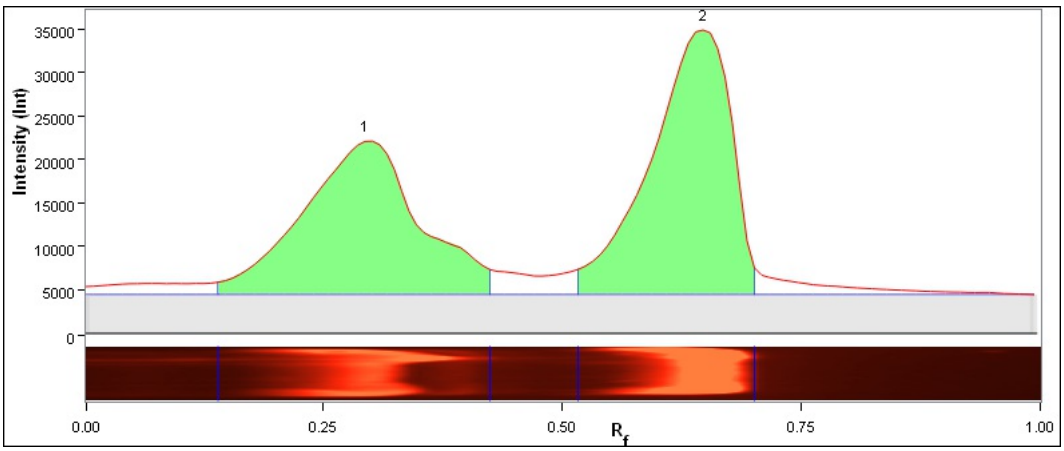
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,077	3.020.640	11.650.128	20,0	N/A	3,6	3,4
2		N/A	0,223	10.977.456	21.456.120	38,5	N/A	12,9	12,3
3		N/A	0,315	20.943.804	31.422.468	75,0	N/A	24,7	23,5
4		N/A	0,515	6.080.844	17.175.900	20,0	N/A	7,2	6,8
5		N/A	0,777	11.017.188	27.659.772	20,0	N/A	13,0	12,4
6		N/A	0,915	32.776.632	47.570.040	80,0	N/A	38,6	36,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.41 mm

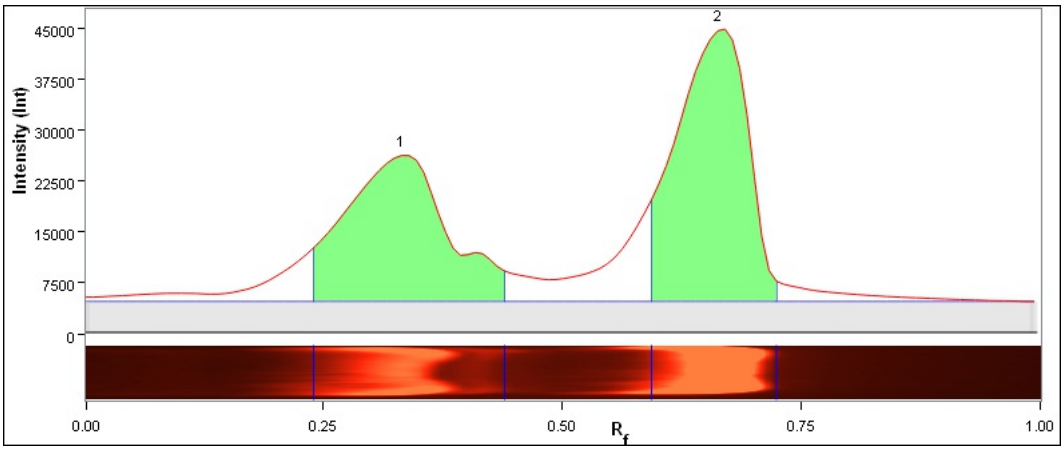
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,300	28.659.246	43.791.363	90,0	N/A	45,9	41,7
2		N/A	0,654	33.778.283	43.478.358	110,0	N/A	54,1	49,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.88 mm

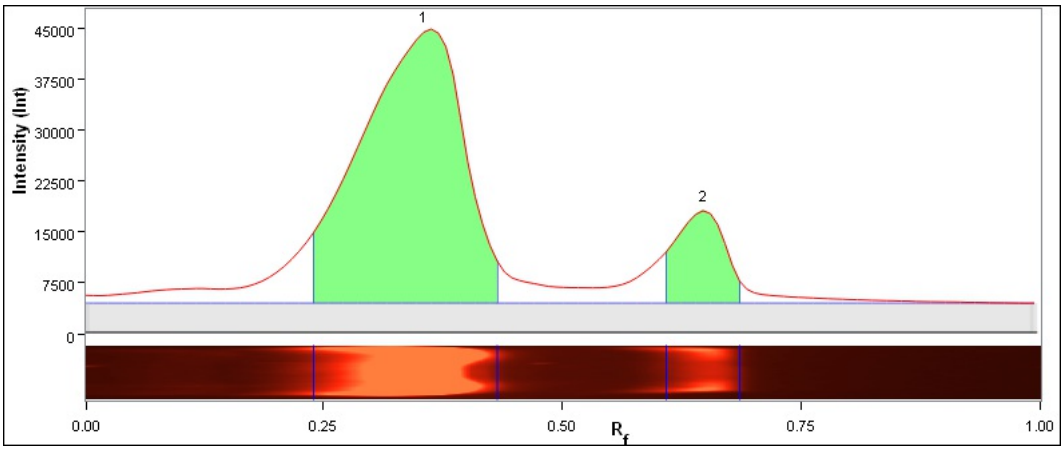
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,338	28.395.196	38.433.580	82,8	N/A	43,8	34,8
2		N/A	0,669	36.453.096	43.145.352	103,3	N/A	56,2	44,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.80 mm

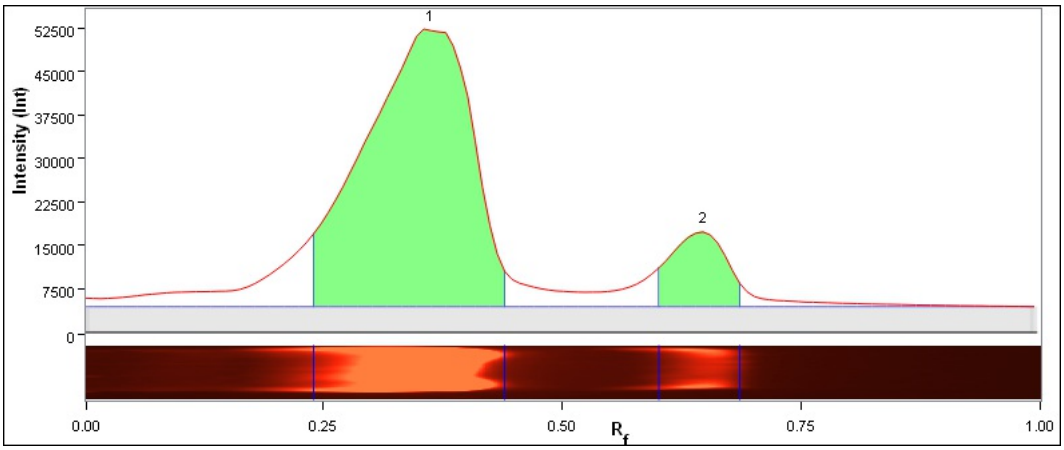
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,362	55.298.782	64.746.220	151,3	N/A	86,4	69,3
2		N/A	0,654	8.702.232	12.699.225	32,7	N/A	13,6	10,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.88 mm

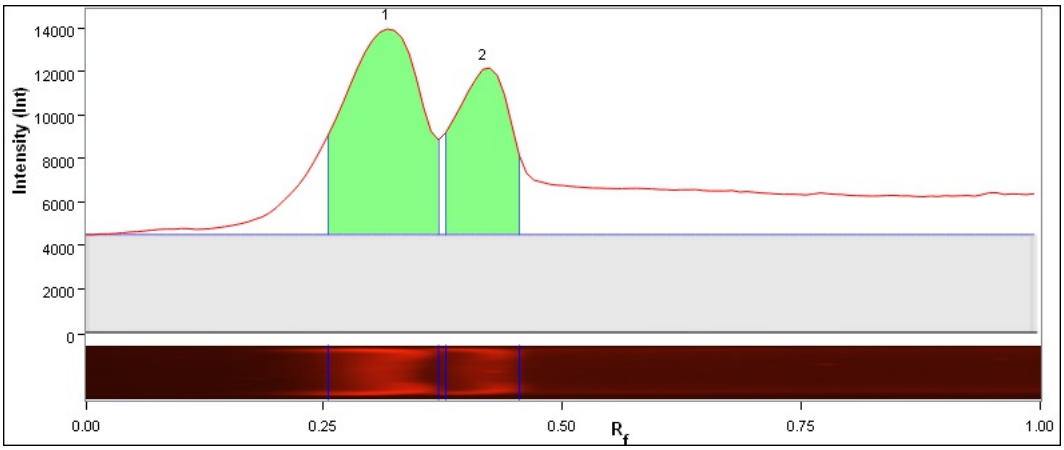
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,369	71.641.416	82.189.884	192,9	N/A	88,0	71,9
2		N/A	0,654	9.763.824	14.452.032	35,4	N/A	12,0	9,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.41 mm

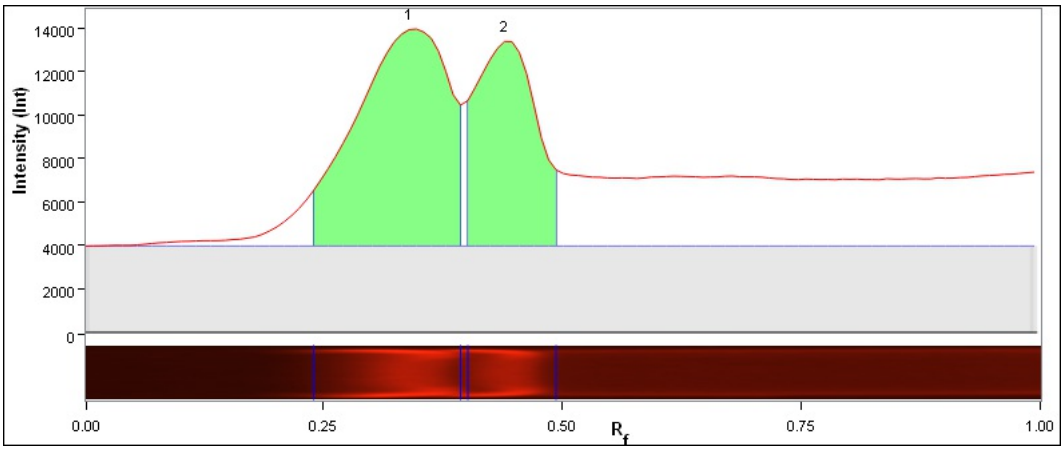
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,323	8.790.936	14.130.501	33,0	N/A	61,3	32,1
2		N/A	0,423	5.550.160	9.821.812	24,7	N/A	38,7	20,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.88 mm

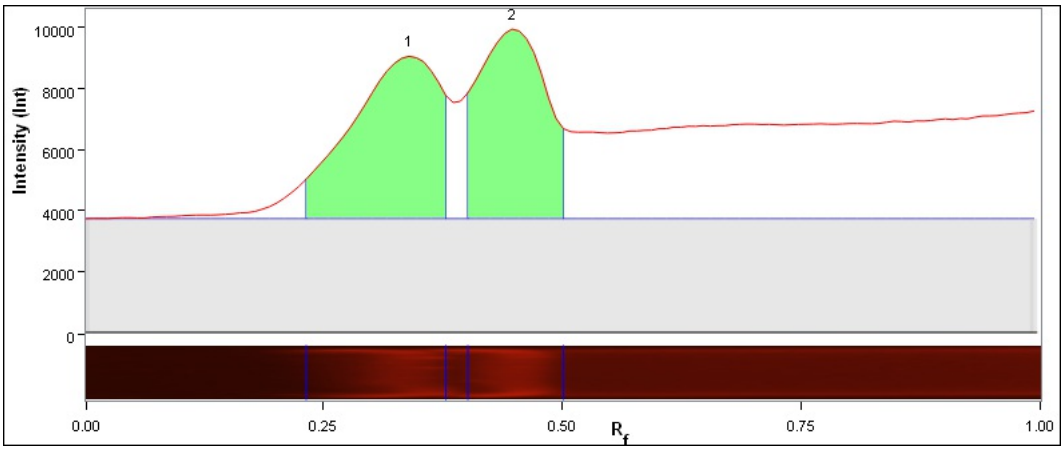
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,346	12.049.125	18.544.125	41,3	N/A	60,2	31,9
2		N/A	0,446	7.977.825	12.524.325	30,9	N/A	39,8	21,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.73 mm

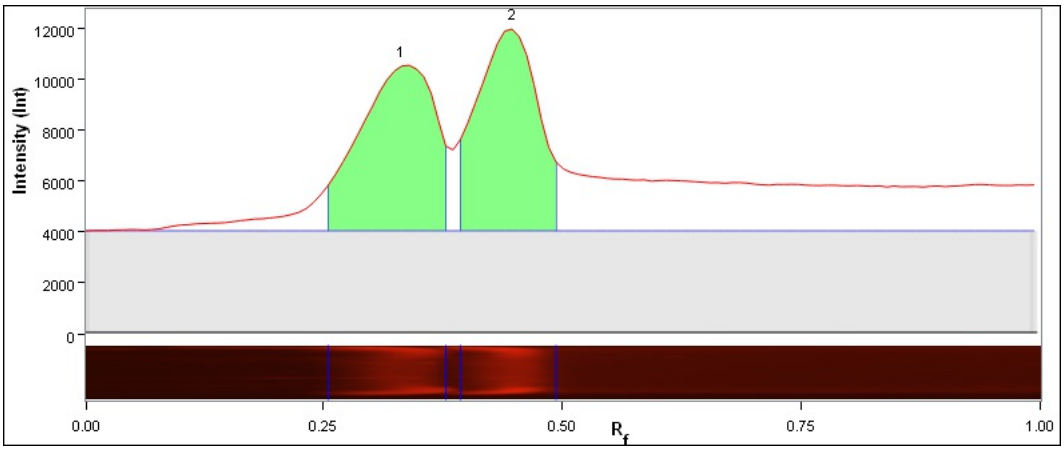
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,346	5.974.612	11.720.953	25,8	N/A	51,4	20,6
2		N/A	0,454	5.642.389	9.876.535	24,9	N/A	48,6	19,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.57 mm

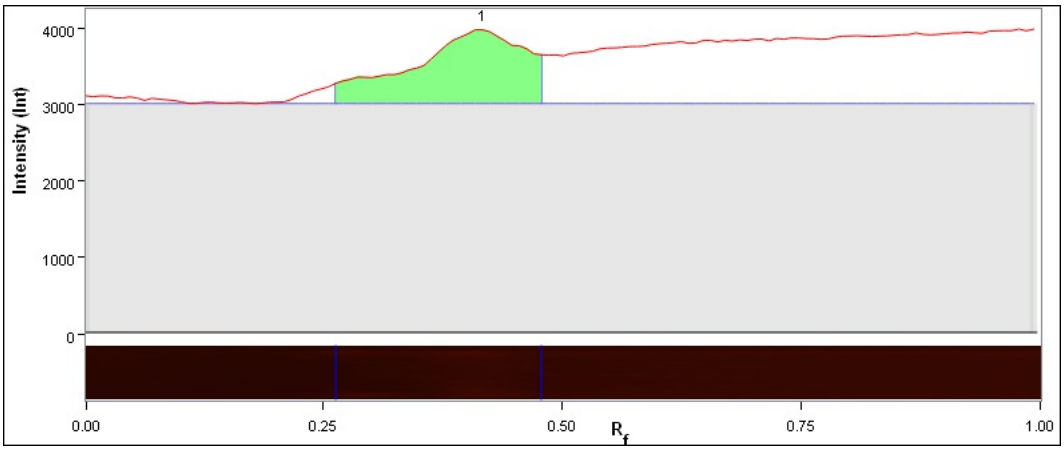
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,338	6.079.248	11.087.568	26,1	N/A	48,7	26,2
2		N/A	0,454	6.403.146	11.098.446	26,9	N/A	51,3	27,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.65 mm

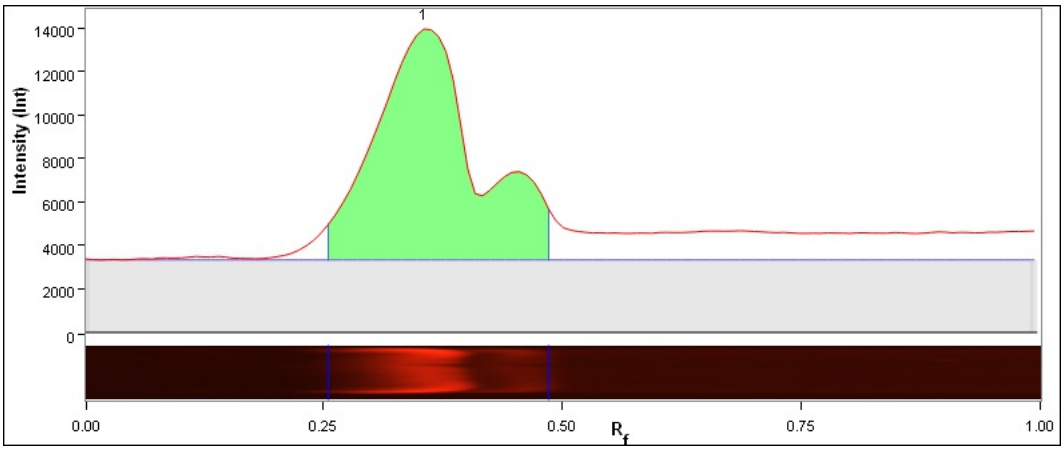
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,423	1.620.825	9.474.750	14,7	N/A	100,0	23,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.73 mm

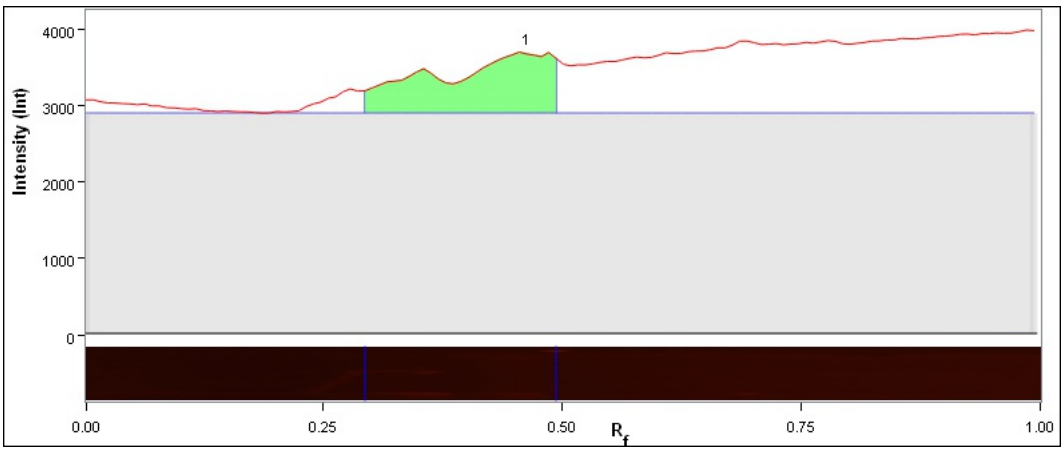
Lane 11



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,362	14.892.240	23.820.240	48,5	N/A	100,0	65,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.11 mm

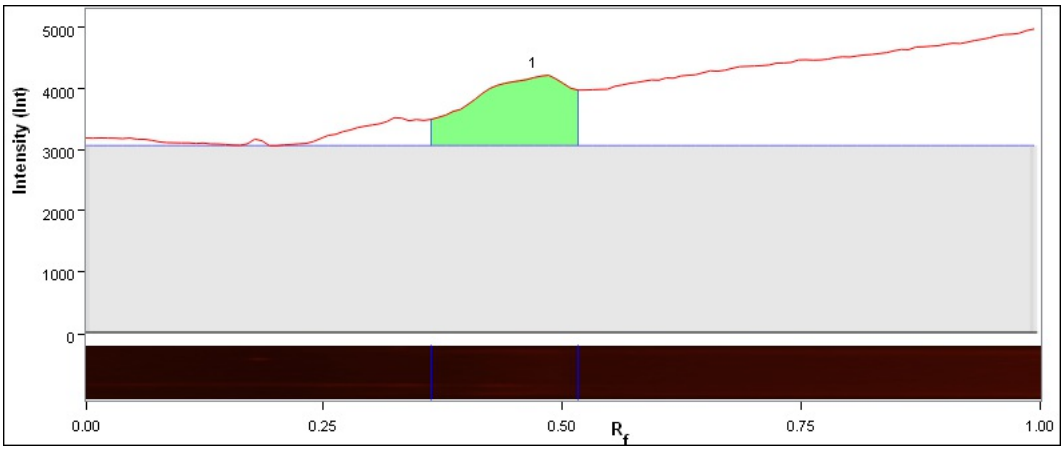
Lane 12



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,469	1.335.624	8.117.484	14,0	N/A	100,0	20,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.80 mm

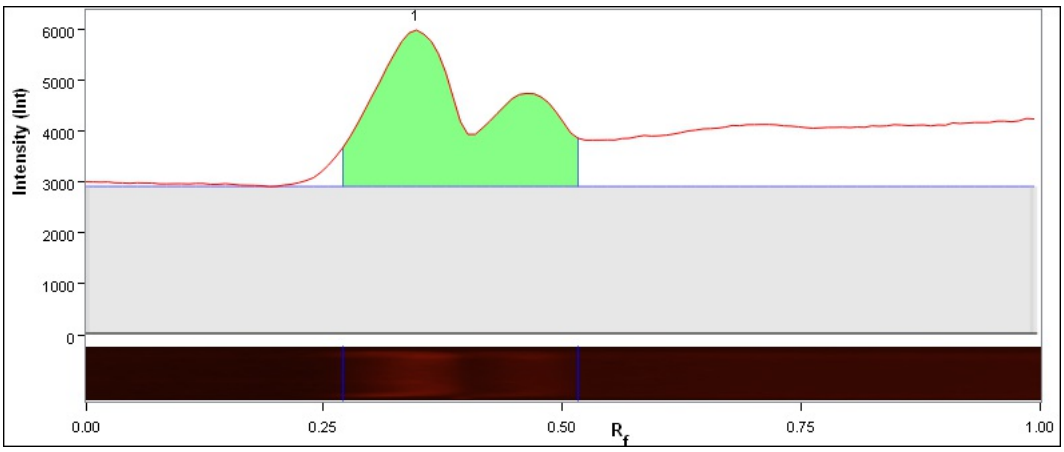
Lane 13



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,477	1.560.356	6.875.036	14,6	N/A	100,0	16,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.80 mm

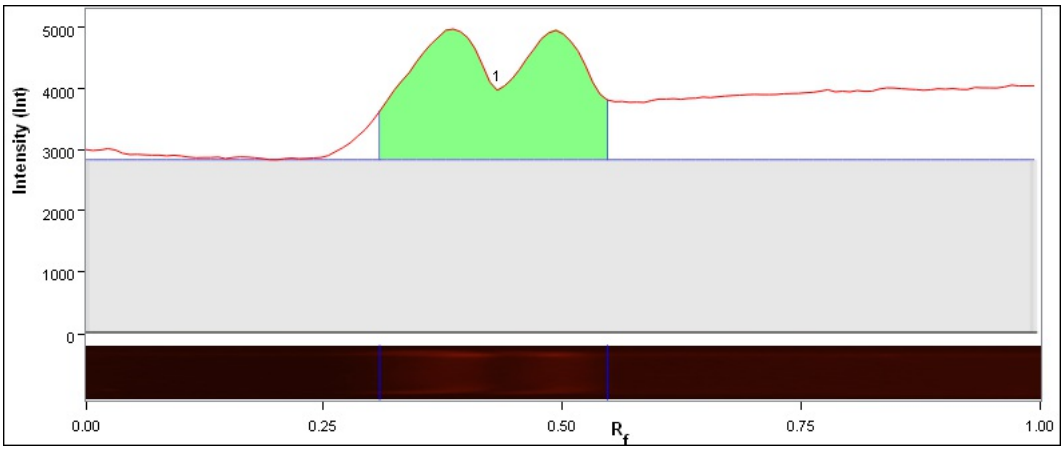
Lane 14



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,354	5.203.275	13.593.657	23,8	N/A	100,0	44,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.88 mm

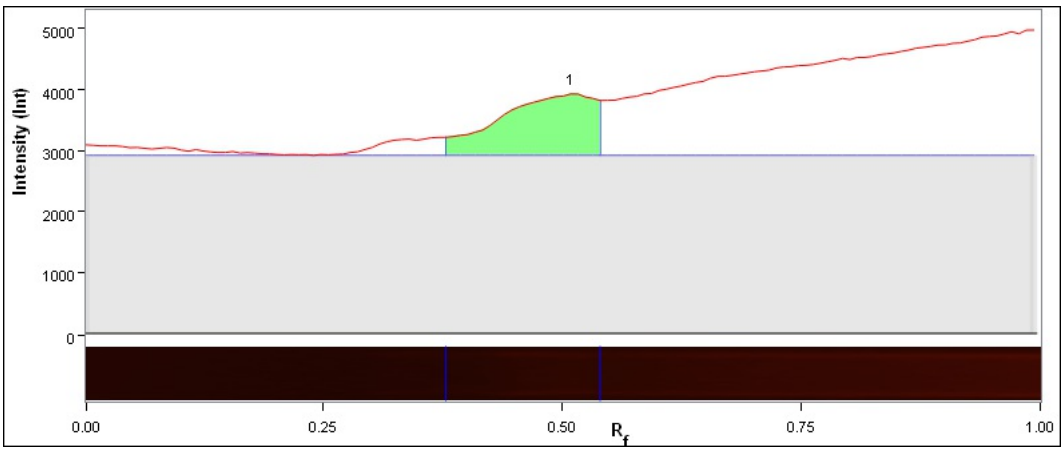
Lane 15



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,438	4.806.922	13.258.826	22,8	N/A	100,0	43,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.26 mm

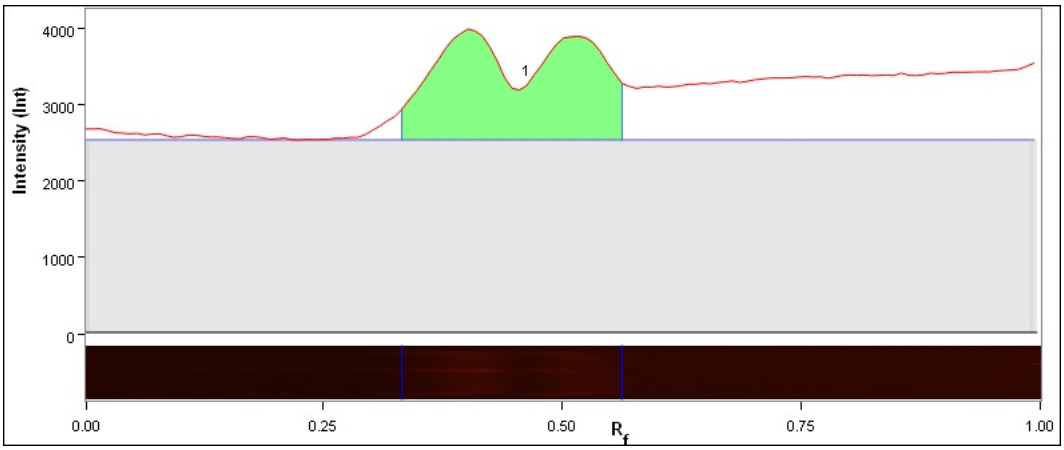
Lane 16



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,515	1.358.640	6.726.640	14,0	N/A	100,0	14,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.11 mm

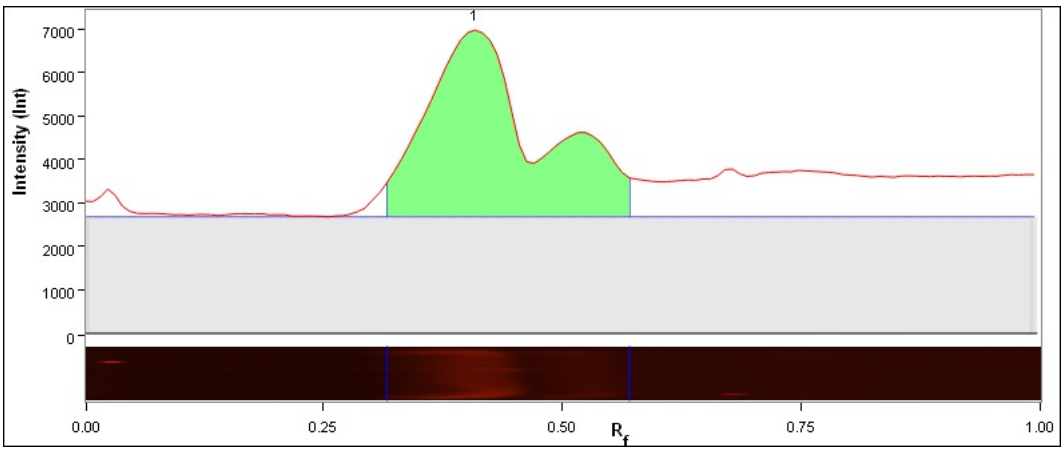
Lane 17



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,469	3.108.768	10.568.298	18,5	N/A	100,0	40,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.96 mm

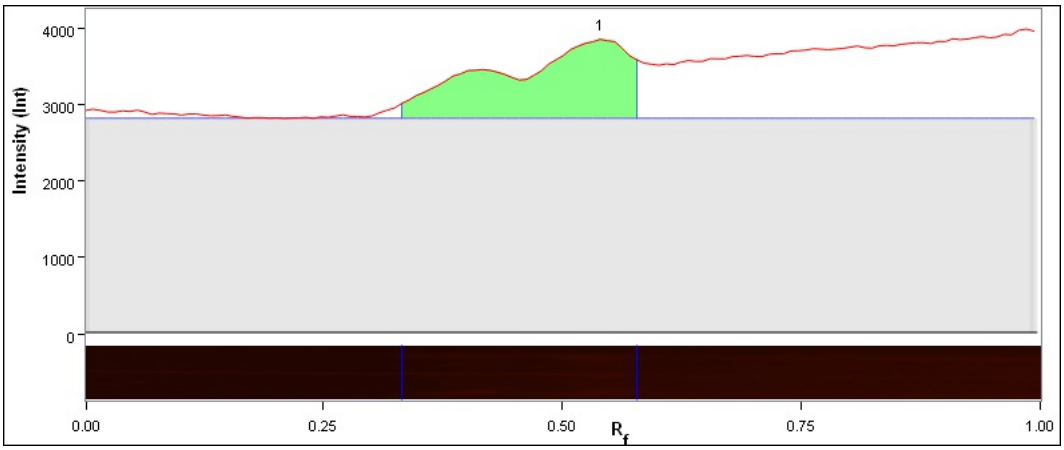
Lane 18



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,415	6.150.162	13.457.340	26,2	N/A	100,0	57,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.42 mm

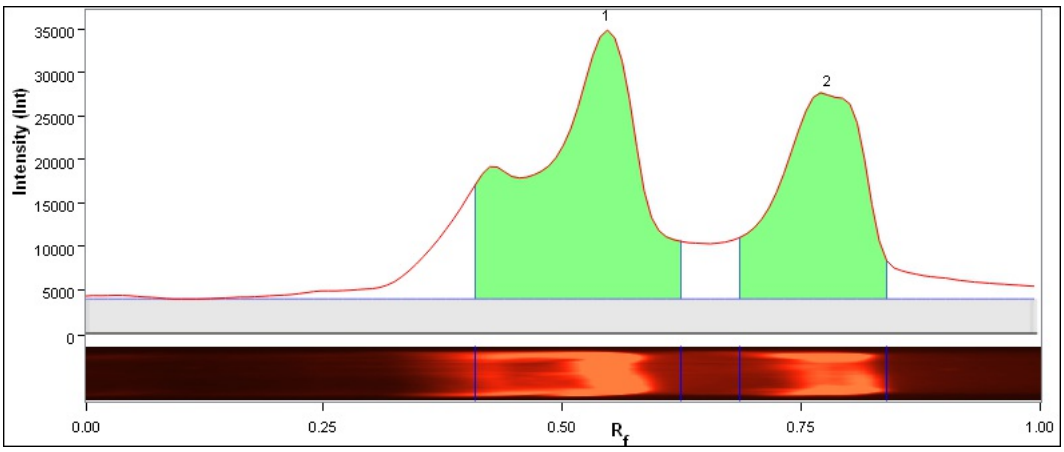
Lane 19



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,546	2.002.209	10.353.420	15,7	N/A	100,0	30,4

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.34 mm

Lane 20



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,554	40.860.624	50.198.064	90,0	N/A	60,1	48,3
2		N/A	0,785	27.105.792	34.108.872	110,0	N/A	39,9	32,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.41 mm