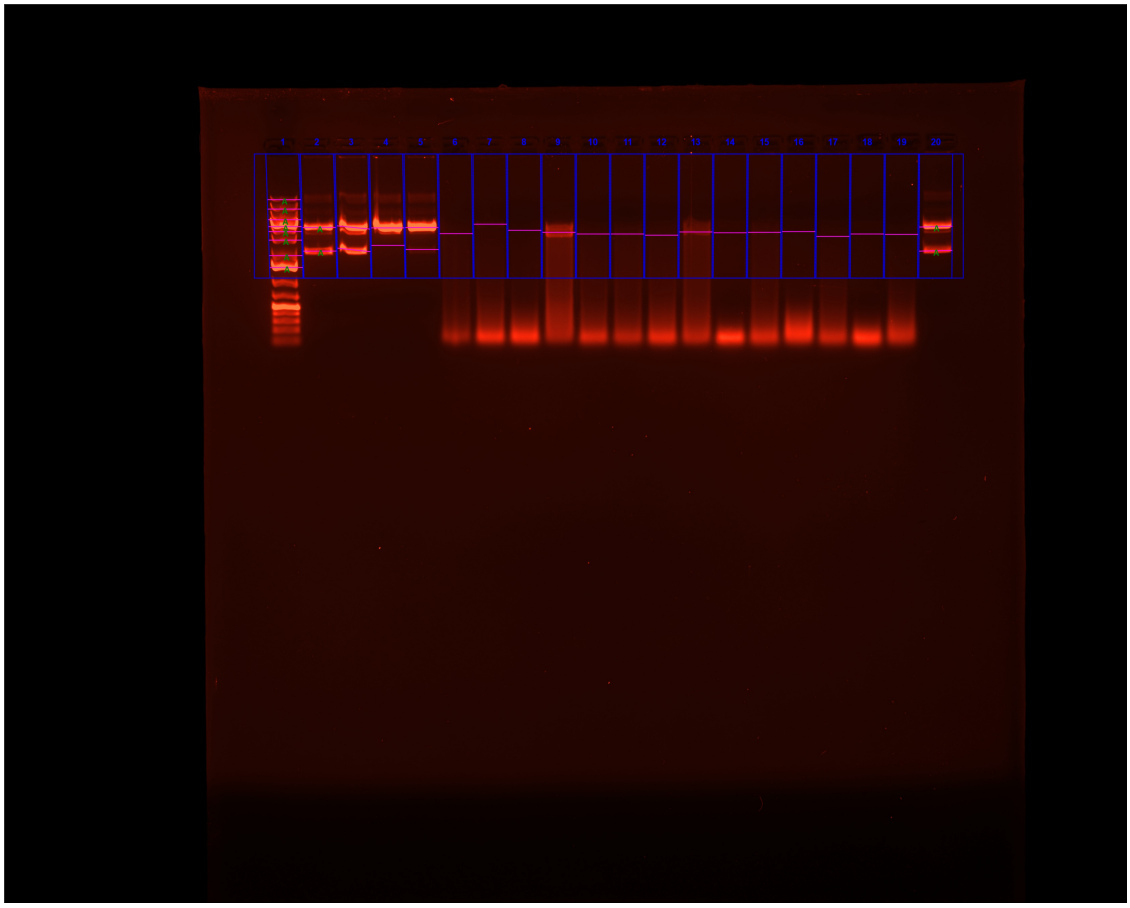
Image Report: Lab Molecolare 2020-11-27 16h59m56s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\titolazione metalli Mg e Ca ChemiDoc Images 2020-11-27_17.01.00\Lab Molecolare 2020-11-27 16h59m56s.scn

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Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.623 (Optimal Auto-exposure)
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	27/11/2020 4:59:56
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)	21 - 65535

Analysis Settings

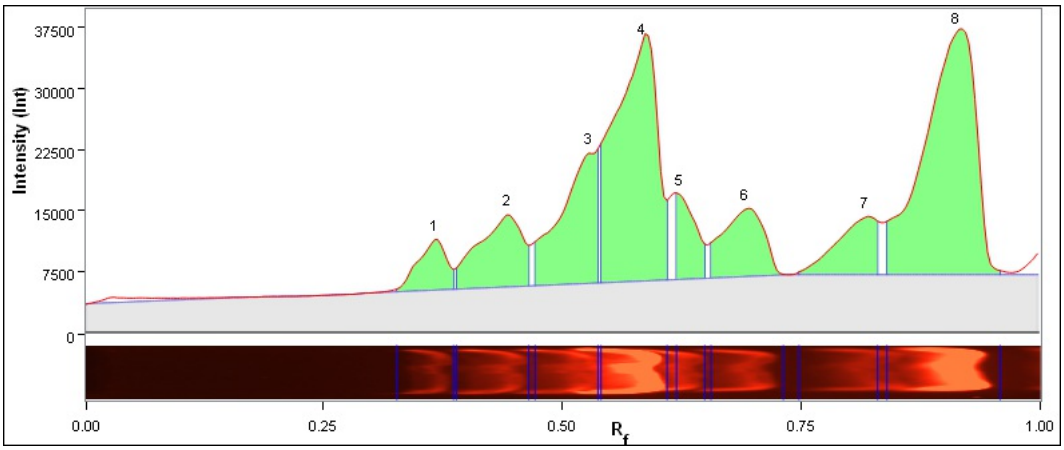
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: High Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: 6.19 mm
Quantity Analysis	Quantity Standard Bands: Lane 1 Band 1 Quantity 20.0 ng Lane 1 Band 2 Quantity 20.0 ng Lane 1 Band 3 Quantity 20.0 ng Lane 1 Band 4 Quantity 75.0 ng Lane 1 Band 5 Quantity 20.0 ng Lane 1 Band 6 Quantity 20.0 ng Lane 1 Band 7 Quantity 20.0 ng Lane 1 Band 8 Quantity 80.0 ng Lane 2 Band 1 Quantity 110.0 ng Lane 2 Band 2 Quantity 90.0 ng Lane 20 Band 1 Quantity 110.0 ng Lane 20 Band 2 Quantity 90.0 ng Quantity regression method: Linear Regression equation: y = 1.98E-06 * x + 6.95 R-squared value: R^2 = 0.683021

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	164.641.086	271.248.993	170.921.421	329.735.691	158.814.270	N/A
2	68.918.283	96.395.427	88.318.107	218.848.473	130.530.366	N/A
3	108.022.653	142.978.689	131.245.839	258.915.933	127.670.094	N/A
4	91.781.667	118.685.250	117.223.929	241.661.961	124.438.032	N/A
5	84.059.451	110.959.227	99.587.232	223.399.863	123.812.631	N/A
6	2.731.482	16.898.301	14.553.999	129.532.041	114.978.042	N/A
7	1.964.736	14.017.293	13.518.009	125.929.323	112.411.314	N/A
8	1.539.810	14.763.384	13.850.919	119.918.637	106.067.718	N/A
9	21.526.317	41.976.630	29.822.580	175.820.301	145.997.721	N/A
10	2.775.951	14.830.371	18.992.637	126.618.795	107.626.158	N/A
11	4.319.811	16.439.679	28.848.474	128.427.930	99.579.456	N/A
12	2.814.669	16.130.097	20.585.097	127.108.521	106.523.424	N/A
13	14.168.196	30.935.196	39.767.193	153.037.593	113.270.400	N/A
14	1.994.868	14.902.947	14.032.521	120.088.089	106.055.568	N/A
15	4.638.384	19.336.320	24.599.133	126.148.509	101.549.376	N/A
16	1.522.800	12.035.709	15.669.936	112.516.128	96.846.192	N/A
17	2.897.289	15.361.569	18.752.391	113.480.919	94.728.528	N/A
18	2.344.707	14.326.227	14.605.191	105.664.743	91.059.552	N/A
19	1.433.295	9.061.227	15.229.782	104.417.910	89.188.128	N/A
20	65.853.729	92.474.622	74.567.709	173.232.189	98.664.480	N/A

Lane And Band Analysis

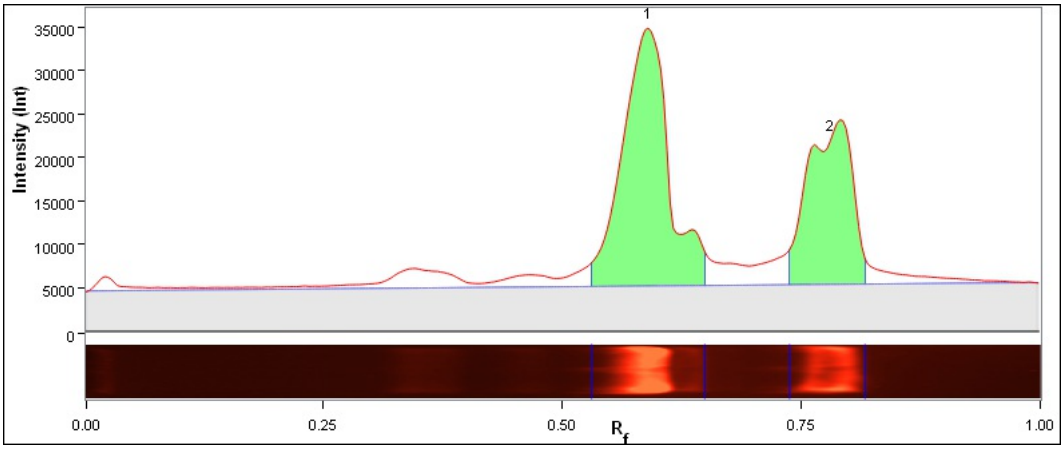
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,368	6.072.489	14.982.246	20,0	N/A	3,7	3,6
2		N/A	0,444	13.379.823	25.426.872	20,0	N/A	8,1	7,8
3		N/A	0,530	20.397.825	31.697.082	20,0	N/A	12,4	11,9
4		N/A	0,586	43.862.634	56.426.544	75,0	N/A	26,6	25,7
5		N/A	0,625	7.141.932	13.129.047	20,0	N/A	4,3	4,2
6		N/A	0,694	11.739.006	26.771.958	20,0	N/A	7,1	6,9
7		N/A	0,819	9.613.566	26.438.400	20,0	N/A	5,8	5,6
8		N/A	0,914	52.433.811	76.376.844	80,0	N/A	31,8	30,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

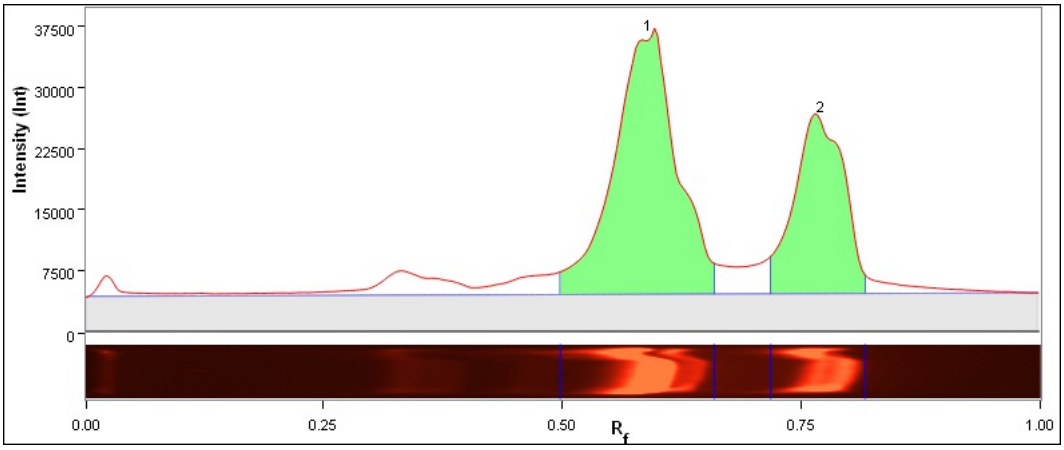
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,592	42.729.363	58.899.798	110,0	N/A	62,0	48,4
2		N/A	0,783	26.188.920	37.495.629	90,0	N/A	38,0	29,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

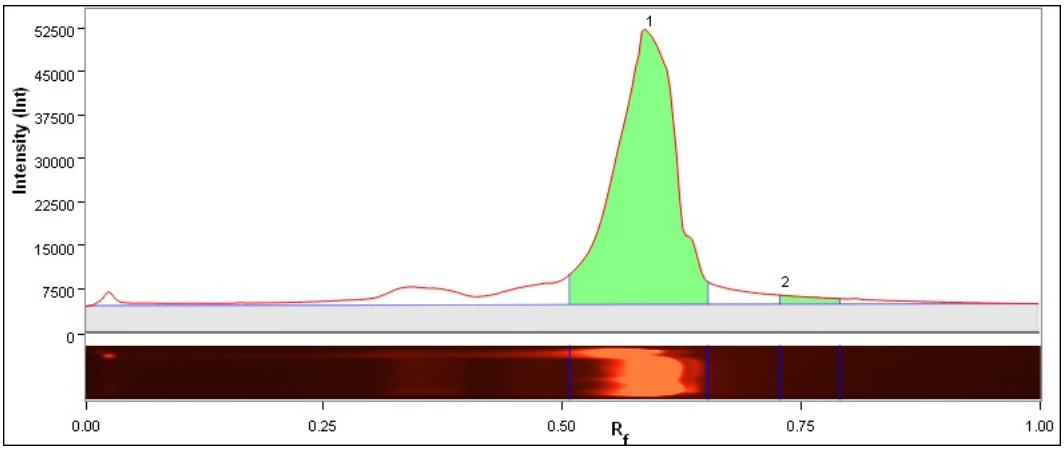
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,592	70.422.777	92.012.760	146,1	N/A	65,2	53,7
2		N/A	0,773	37.599.876	50.965.929	81,2	N/A	34,8	28,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

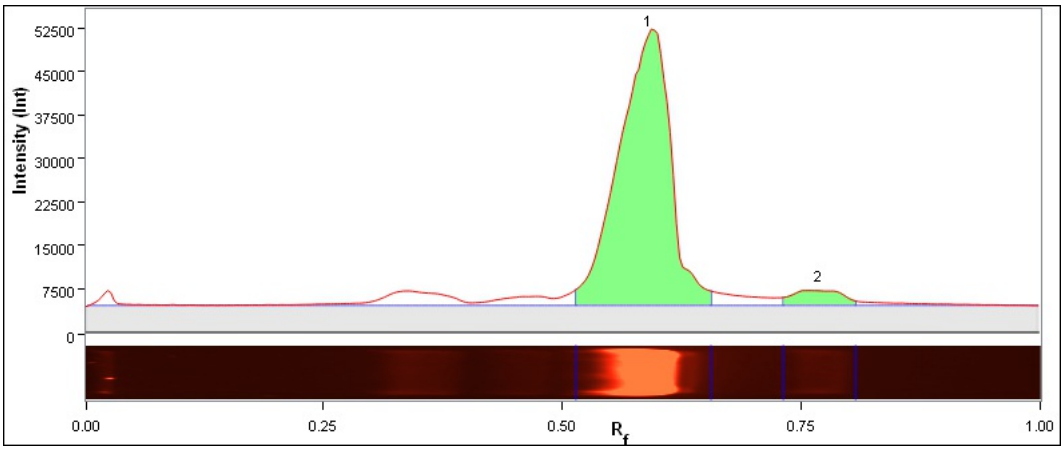
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,595	89.737.065	108.281.853	184,3	N/A	97,8	76,6
2		N/A	0,737	2.044.602	10.403.397	11,0	N/A	2,2	1,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

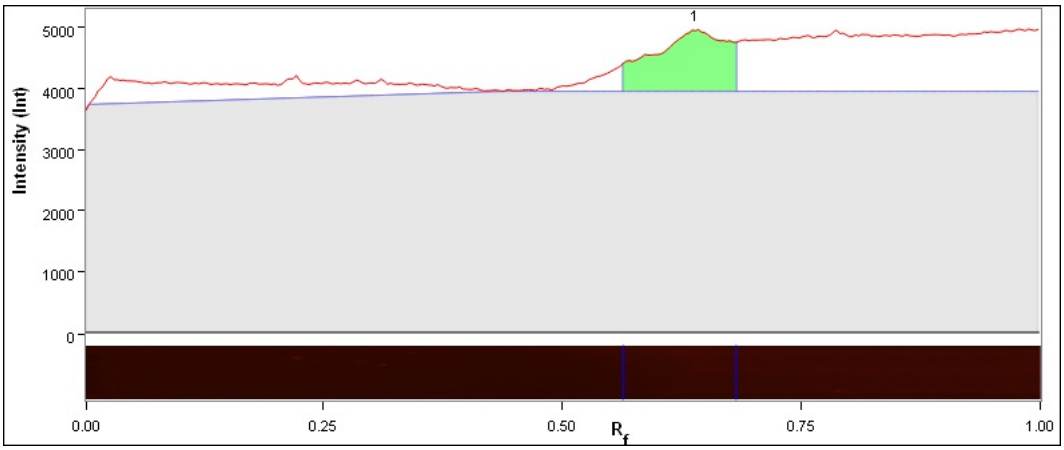
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,592	79.816.104	97.337.700	164,7	N/A	95,0	80,1
2		N/A	0,770	4.243.347	13.621.527	15,3	N/A	5,0	4,3

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

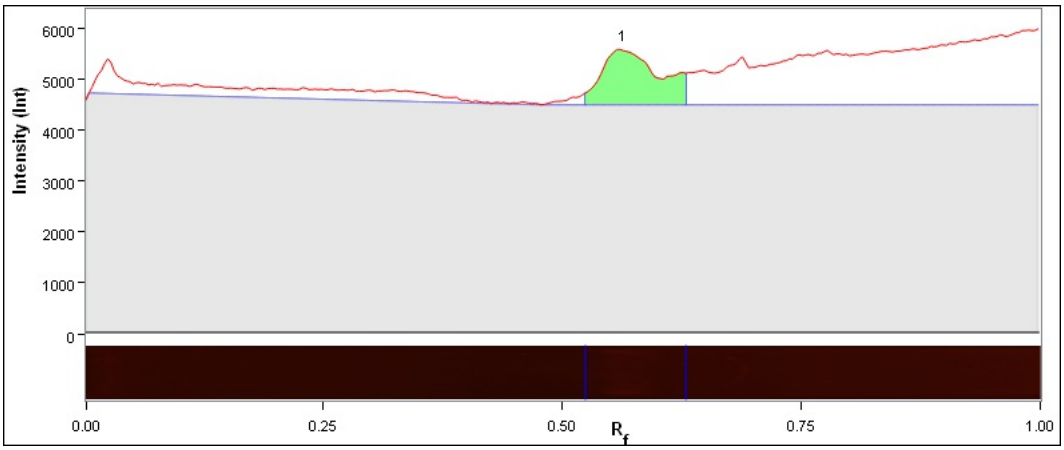
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,641	2.731.482	16.898.301	12,3	N/A	100,0	18,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

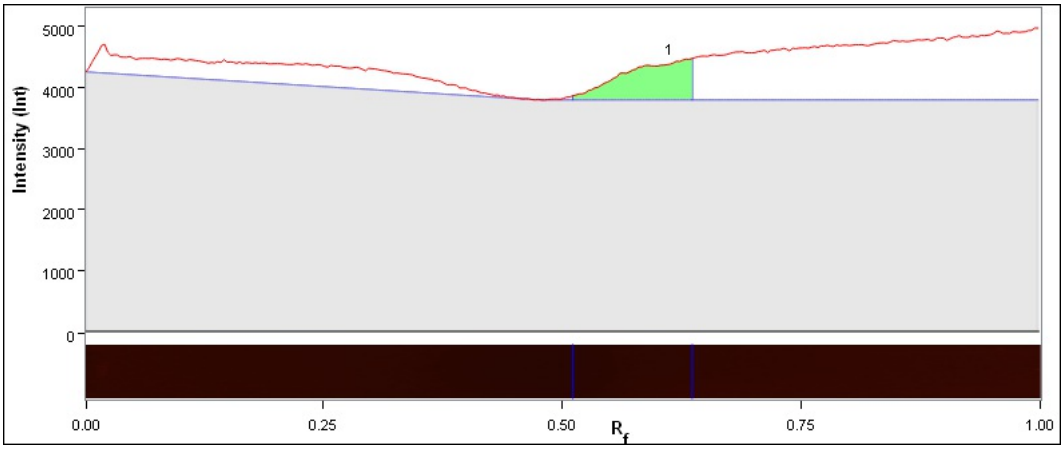
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,566	1.964.736	14.017.293	10,8	N/A	100,0	14,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

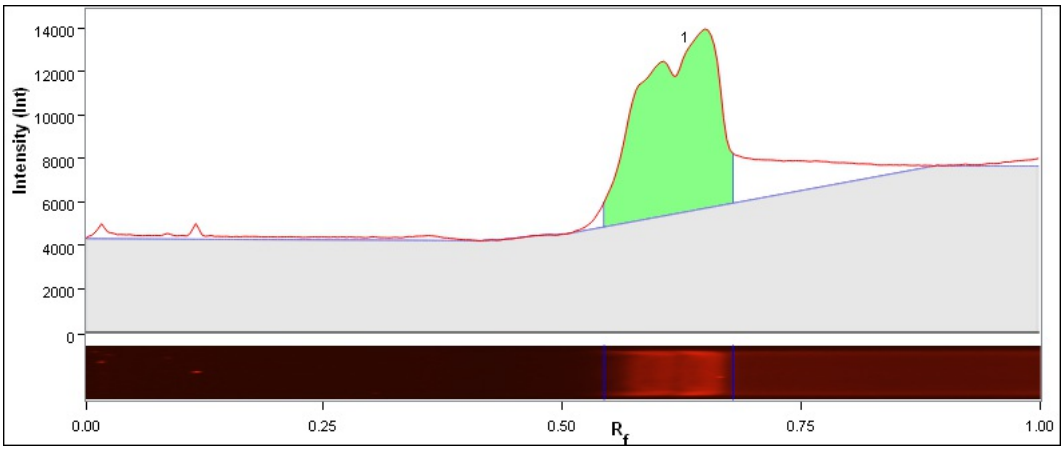
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,615	1.539.810	14.763.384	10,0	N/A	100,0	11,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

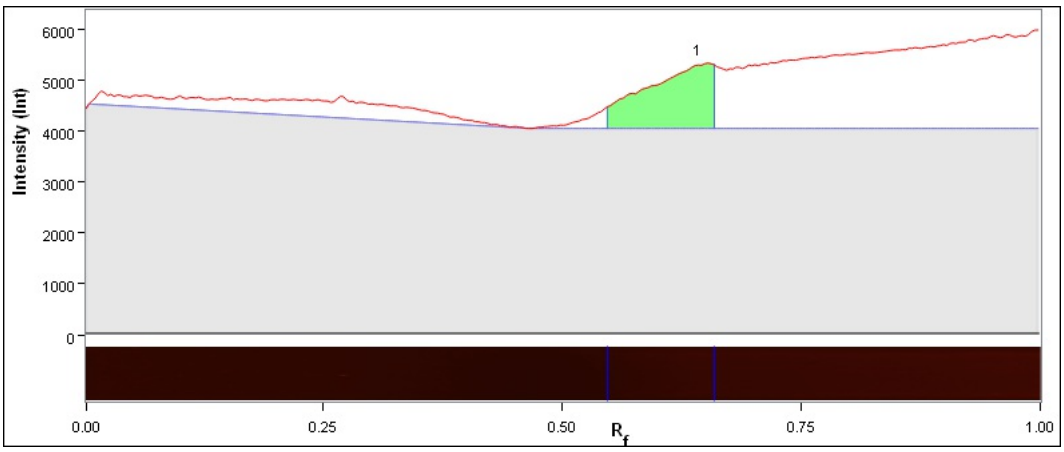
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,632	21.526.317	41.976.630	49,5	N/A	100,0	72,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

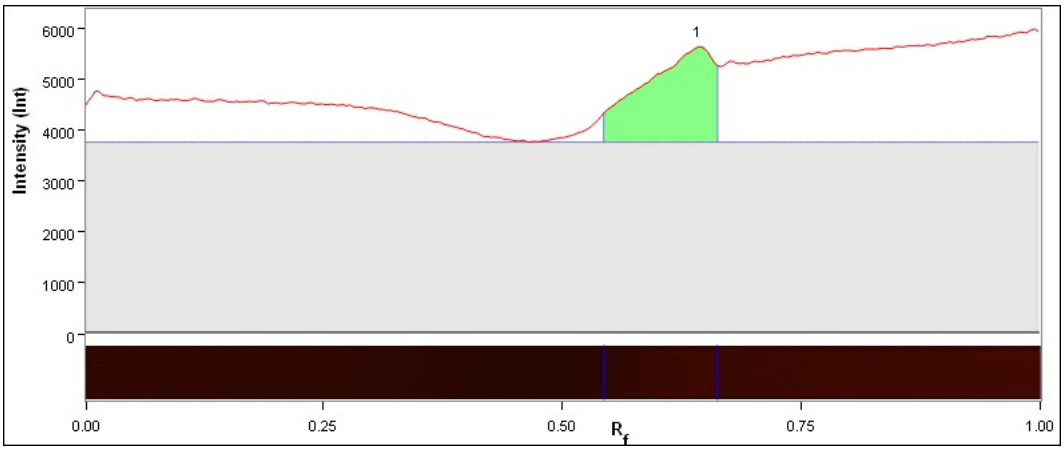
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,645	2.775.951	14.830.371	12,4	N/A	100,0	14,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

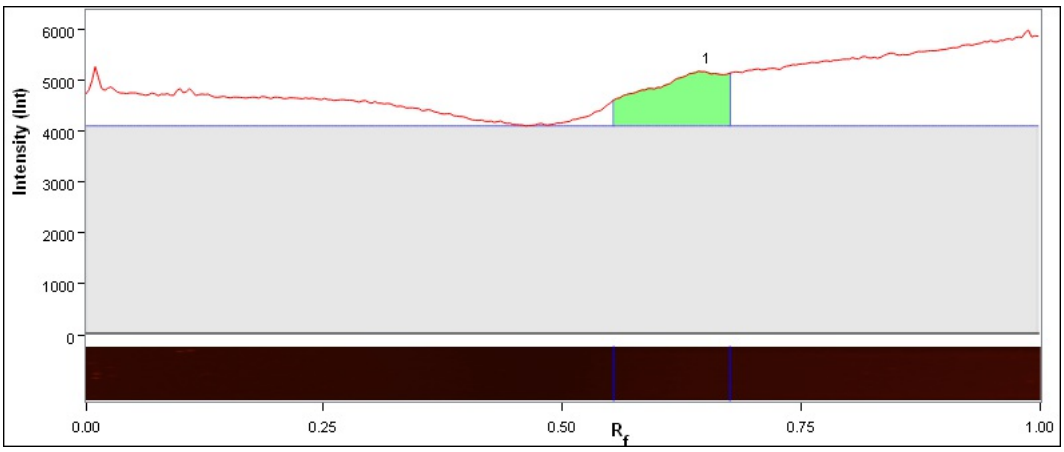
Lane 11



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,645	4.319.811	16.439.679	15,5	N/A	100,0	15,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

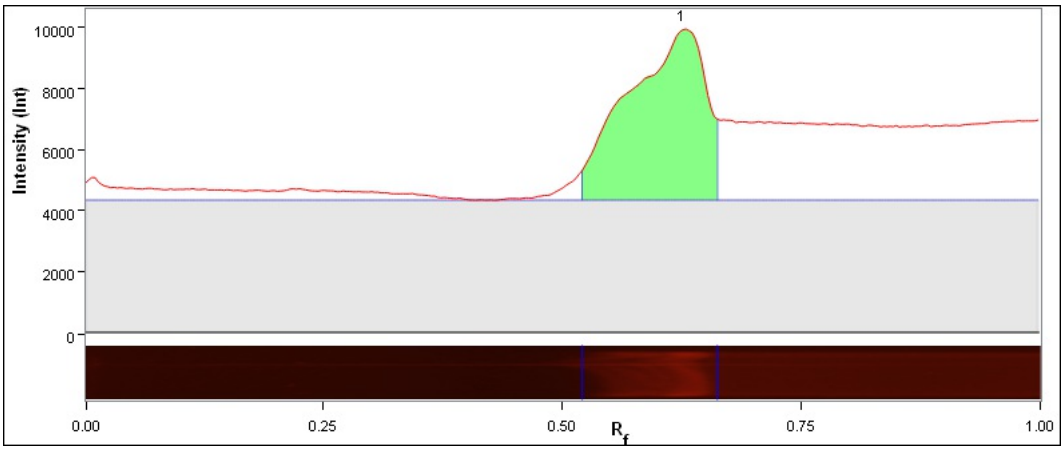
Lane 12



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,655	2.814.669	16.130.097	12,5	N/A	100,0	13,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

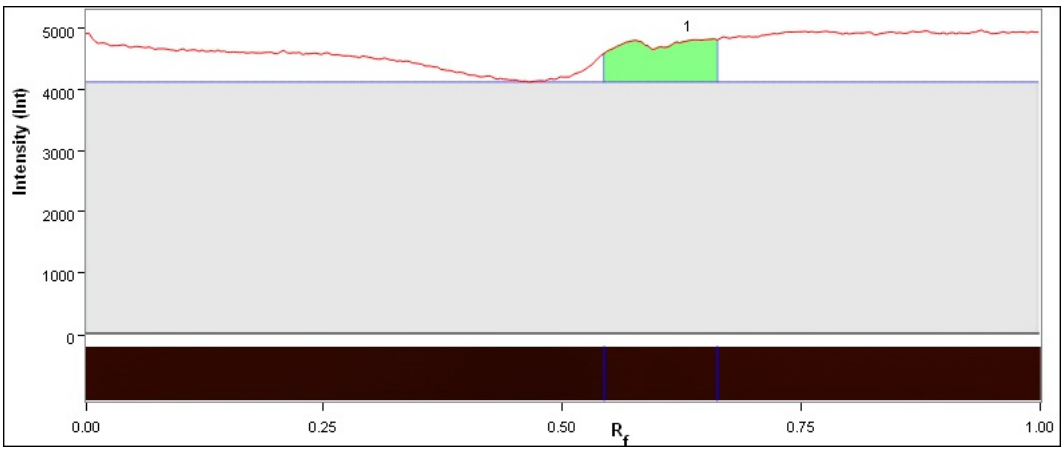
Lane 13



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,628	14.168.196	30.935.196	34,9	N/A	100,0	35,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

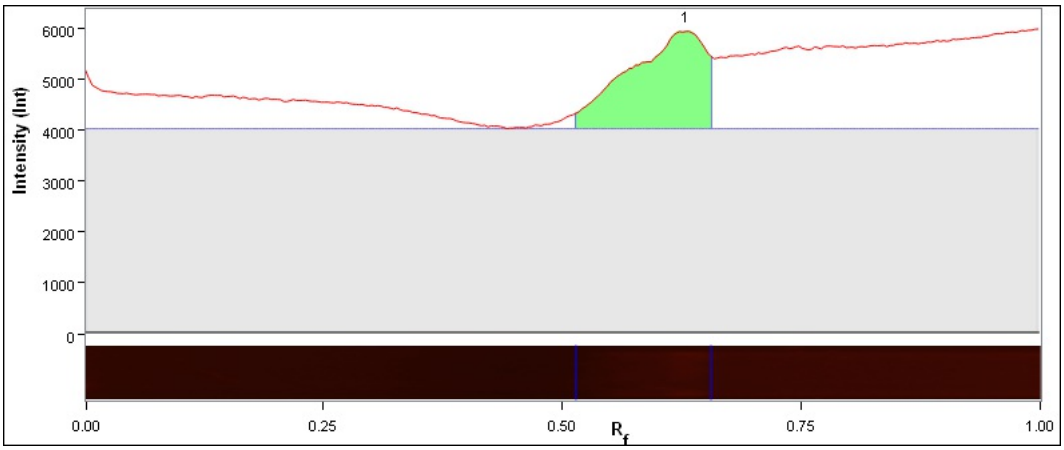
Lane 14



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,635	1.994.868	14.902.947	10,9	N/A	100,0	14,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

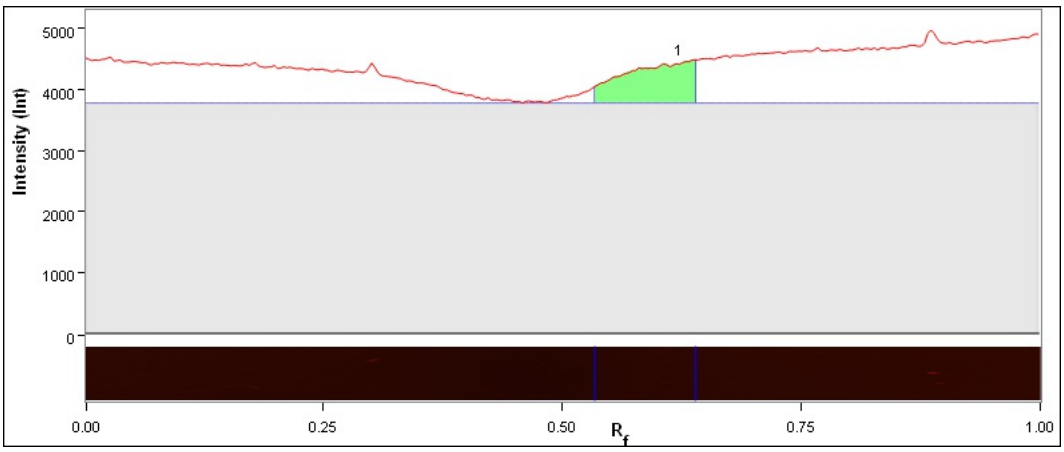
Lane 15



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,632	4.638.384	19.336.320	16,1	N/A	100,0	18,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

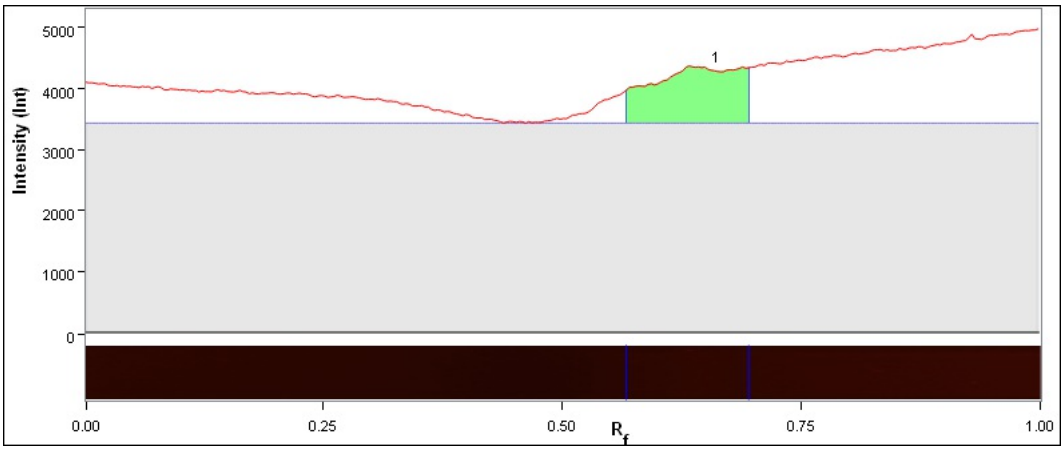
Lane 16



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,625	1.522.800	12.035.709	10,0	N/A	100,0	9,7

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

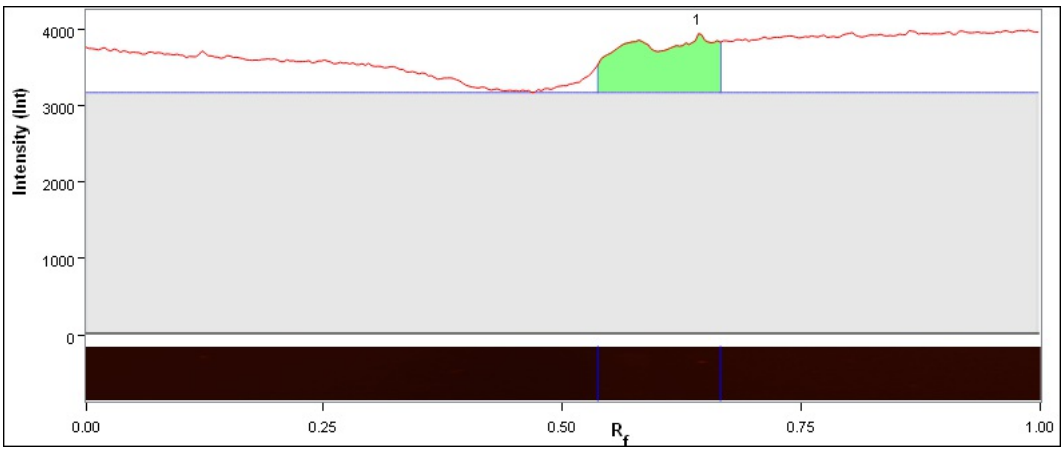
Lane 17



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,664	2.897.289	15.361.569	12,7	N/A	100,0	15,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

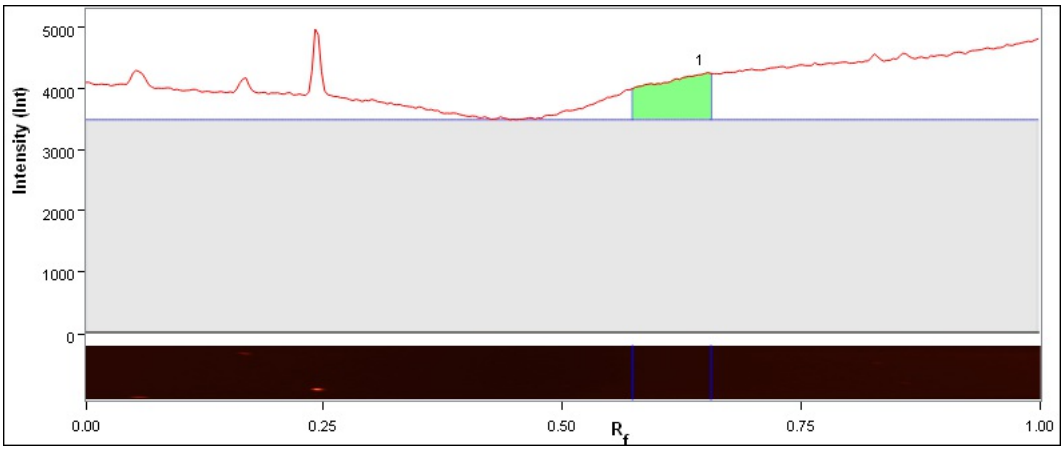
Lane 18



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,645	2.344.707	14.326.227	11,6	N/A	100,0	16,1

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm

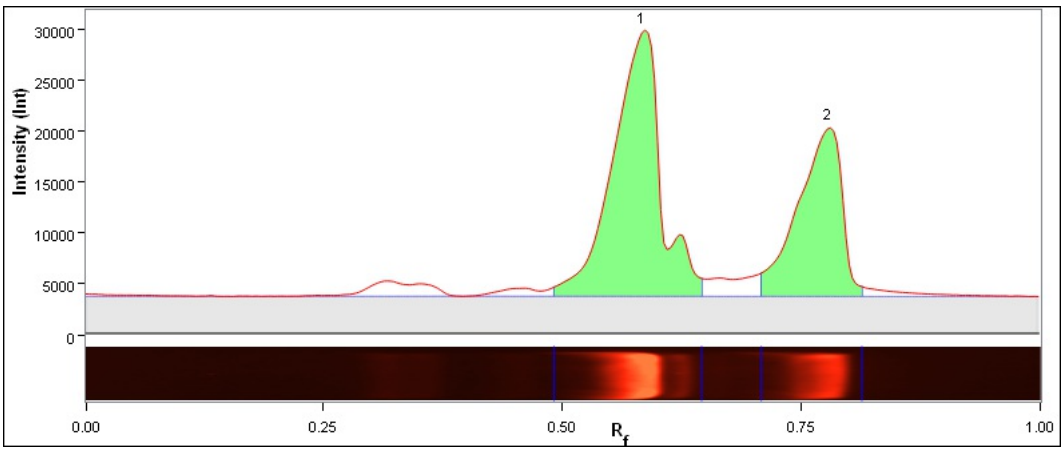
Lane 19



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,648	1.433.295	9.061.227	9,8	N/A	100,0	9,4

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 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	0,586	41.687.784	57.605.175	110,0	N/A	63,3	55,9
2		N/A	0,780	24.165.945	34.869.447	90,0	N/A	36,7	32,4

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.19 mm