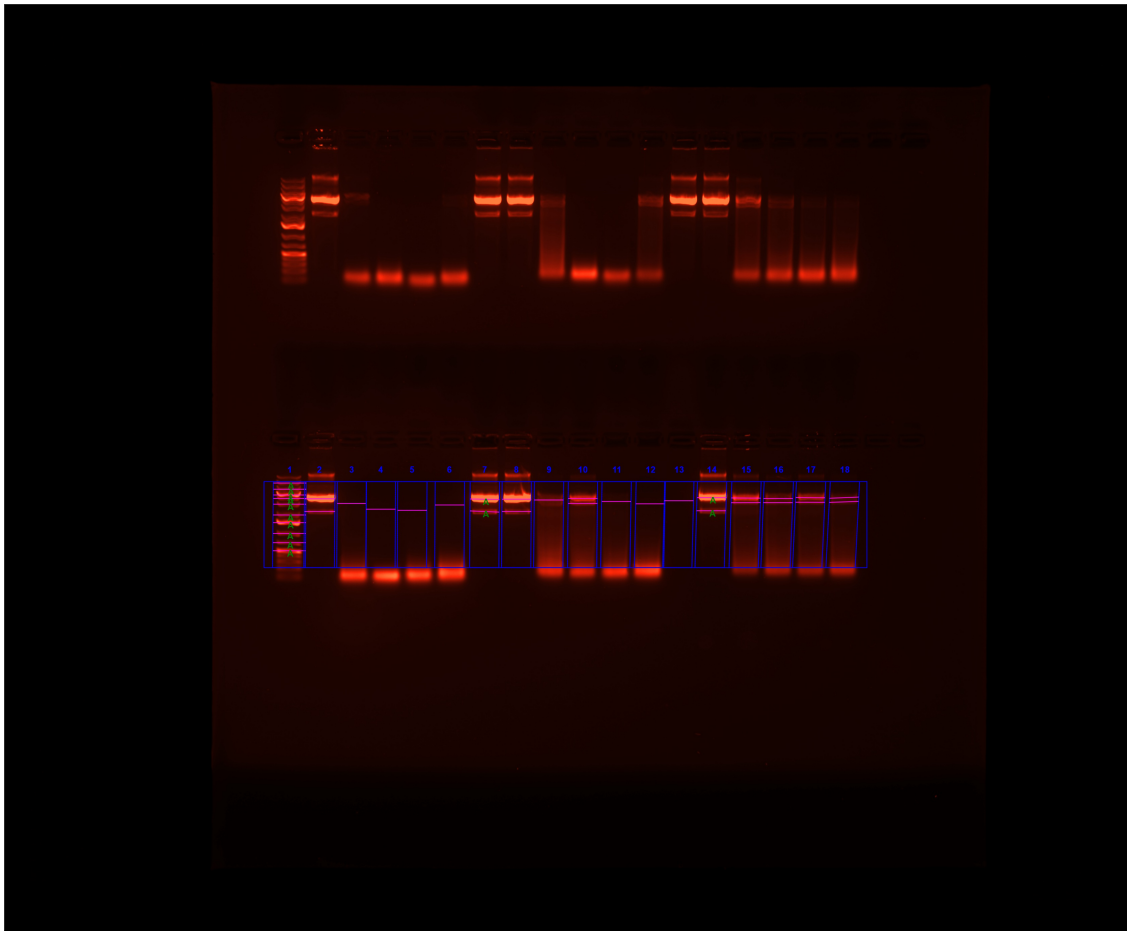
Image Report: Lab Molecolare 2021-01-07 13h04m43s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\Mn eCo.ChemiDoc Images 2021-01-07_13.05.00\Lab Molecolare 2021-01-07 13h04m43s.scn

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Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.309 (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	07/01/2021 1:04:43
User Name	Lab Molecolare
Image Area (mm)	X: 222.5 Y: 183.6
Pixel Size (µm)	X: 76.4 Y: 76.4

Data Range (Int)	0 - 65535

Analysis Settings

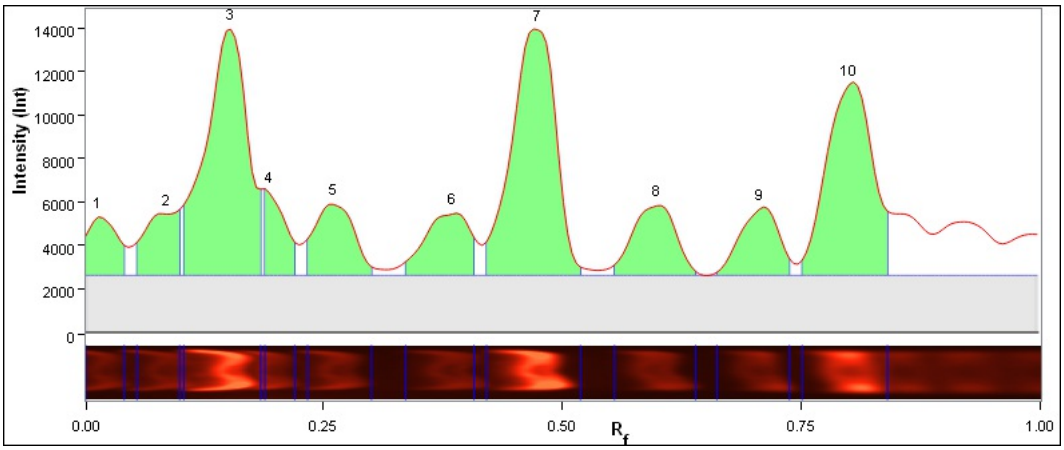
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Automatically detected bands with sensitivity: High Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: Variable
Quantity Analysis	Quantity Standard Bands: Lane 1 Band 1 Quantity 20.0 ng Lane 1 Band 2 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 20.0 ng Lane 1 Band 7 Quantity 80.0 ng Lane 1 Band 8 Quantity 25.0 ng Lane 1 Band 9 Quantity 25.0 ng Lane 1 Band 10 Quantity 75.0 ng Lane 7 Band 1 Quantity 180.0 ng Lane 7 Band 2 Quantity 20.0 ng Lane 14 Band 1 Quantity 180.0 ng Lane 14 Band 2 Quantity 20.0 ng Quantity regression method: Linear Regression equation: y = 3.85E-06 * x + 12.9 R-squared value: R^2 = 0.92304

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	56.692.705	97.287.855	65.168.310	120.955.510	55.787.200	N/A
2	49.433.539	56.302.115	64.105.419	104.593.867	40.488.448	N/A
3	583.680	3.822.800	15.109.028	51.387.172	36.278.144	N/A
4	322.620	3.041.672	7.344.792	39.400.984	32.056.192	N/A
5	465.424	3.657.272	12.168.132	43.253.956	31.085.824	N/A
6	429.172	3.659.476	19.645.088	54.101.664	34.456.576	N/A
7	57.424.460	63.494.732	76.686.052	111.551.204	34.865.152	N/A
8	50.099.048	54.848.668	76.062.548	112.747.672	36.685.124	N/A
9	7.406.048	12.850.764	49.388.980	88.731.444	39.342.464	N/A
10	11.100.180	14.887.488	43.457.484	83.855.436	40.397.952	N/A
11	1.633.544	5.320.760	27.179.880	58.946.664	31.766.784	N/A
12	640.756	3.486.500	29.876.816	58.851.664	28.974.848	N/A
13	162.488	3.229.620	899.612	33.339.224	32.439.612	N/A
14	41.787.992	47.652.152	57.093.784	89.932.548	32.838.764	N/A
15	11.675.120	15.337.940	37.541.416	76.611.496	39.070.080	N/A
16	5.551.268	9.005.316	35.172.952	68.812.376	33.639.424	N/A
17	9.428.256	12.857.832	32.573.068	65.974.156	33.401.088	N/A
18	4.632.124	7.884.924	31.721.184	60.866.272	29.145.088	N/A

Lane And Band Analysis

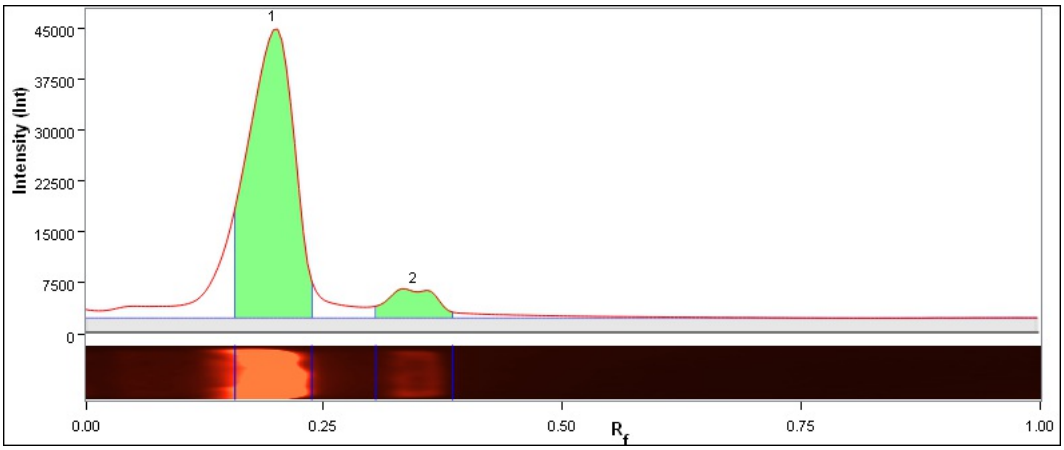
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,018	2.056.745	4.547.245	20,0	N/A	3,6	3,2
2		N/A	0,089	2.641.630	5.381.180	20,0	N/A	4,7	4,1
3		N/A	0,156	12.557.135	17.289.085	75,0	N/A	22,1	19,3
4		N/A	0,196	2.192.830	4.185.230	20,0	N/A	3,9	3,4
5		N/A	0,263	3.387.165	7.371.965	20,0	N/A	6,0	5,2
6		N/A	0,388	3.331.915	7.565.765	20,0	N/A	5,9	5,1
7		N/A	0,478	13.017.155	18.745.305	80,0	N/A	23,0	20,0
8		N/A	0,603	3.636.810	8.617.810	25,0	N/A	6,4	5,6
9		N/A	0,710	3.132.250	7.615.150	25,0	N/A	5,5	4,8
10		N/A	0,804	10.739.070	15.969.120	75,0	N/A	18,9	16,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.49 mm

Lane 2

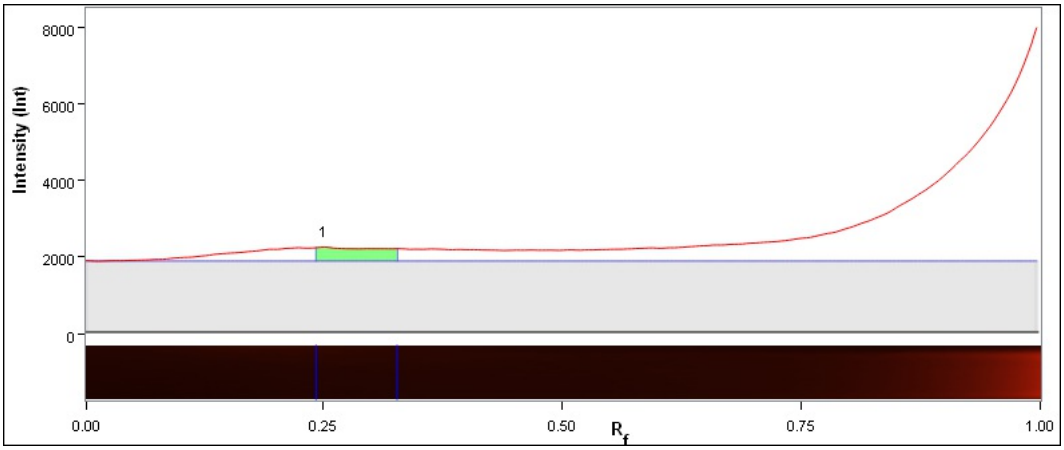


Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,201	44.392.391	47.826.679	183,7	N/A	89,8	69,2
2		N/A	0,348	5.041.148	8.475.436	32,3	N/A	10,2	7,9

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

Lane Width	6.03 mm

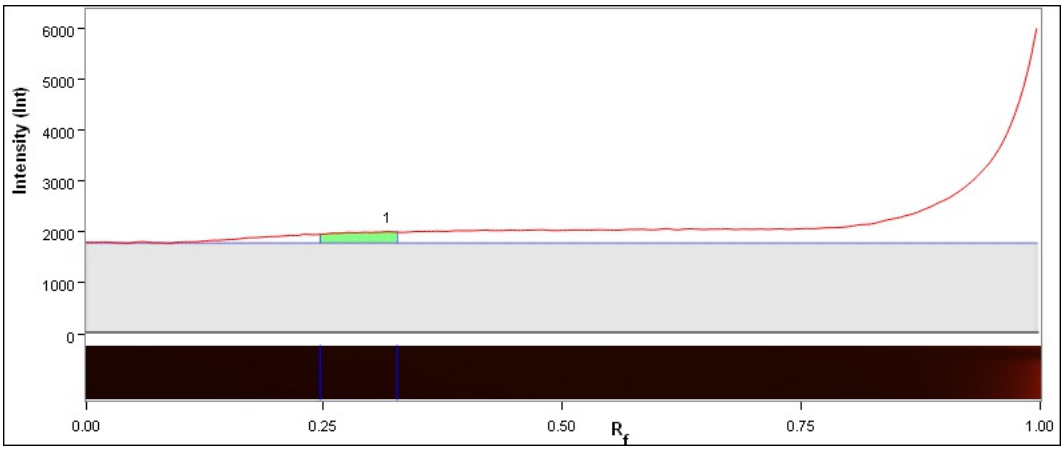
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,254	583.680	3.822.800	15,1	N/A	100,0	3,9

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

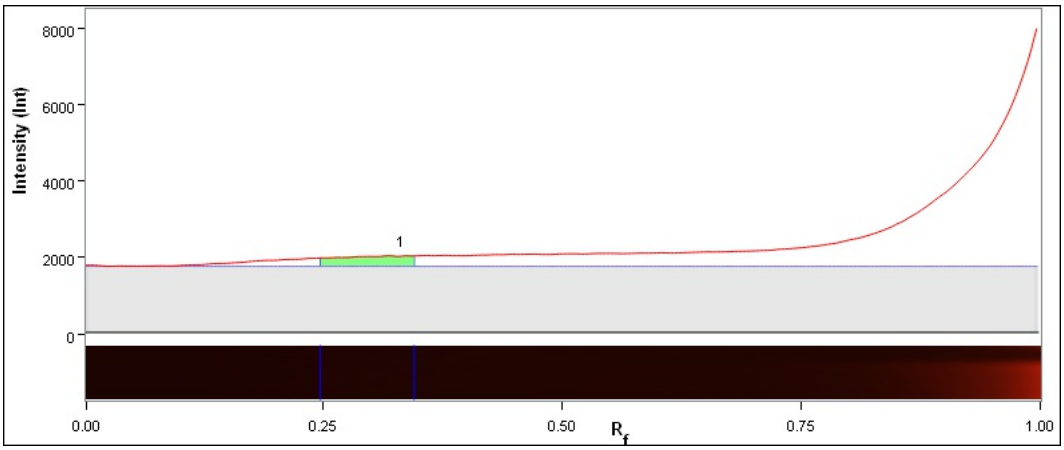
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,321	322.620	3.041.672	14,1	N/A	100,0	4,4

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

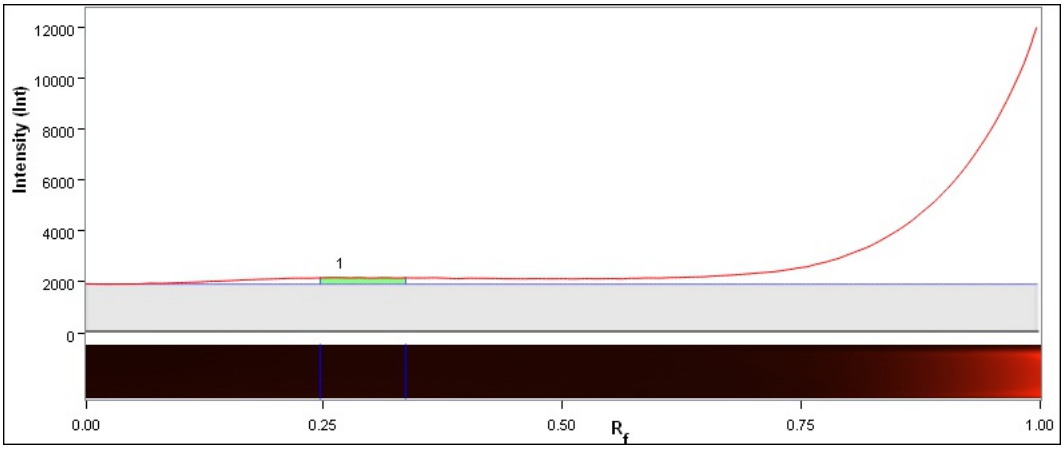
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,335	465.424	3.657.272	14,7	N/A	100,0	3,8

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

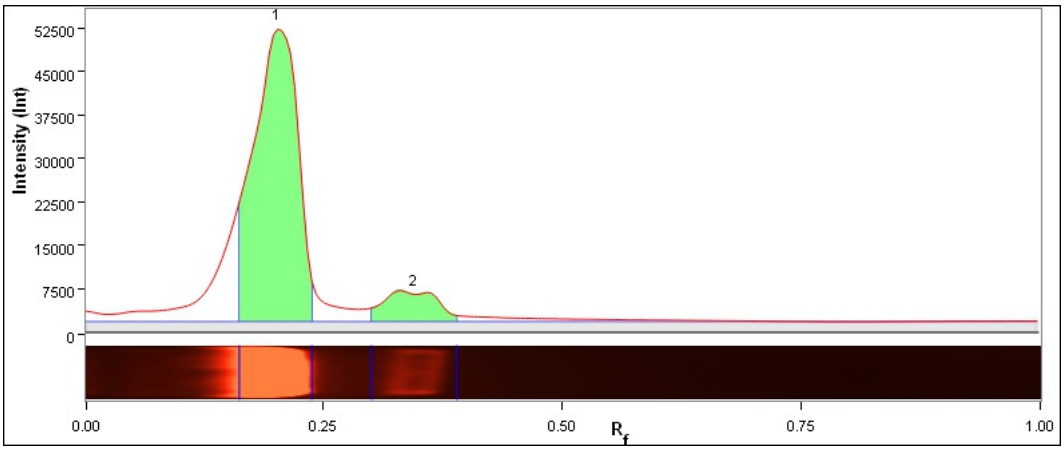
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,272	429.172	3.659.476	14,5	N/A	100,0	2,2

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

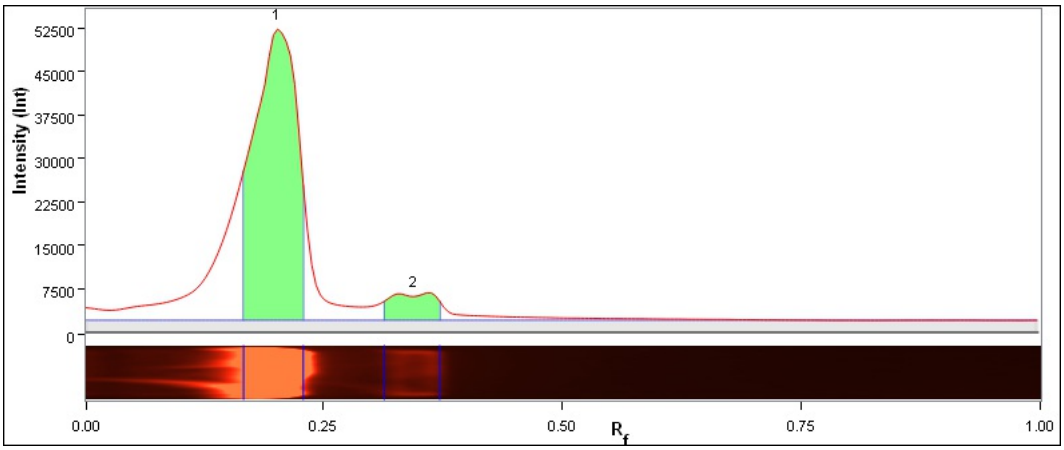
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,205	50.632.416	53.434.080	180,0	N/A	88,2	66,0
2		N/A	0,348	6.792.044	10.060.652	20,0	N/A	11,8	8,9

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

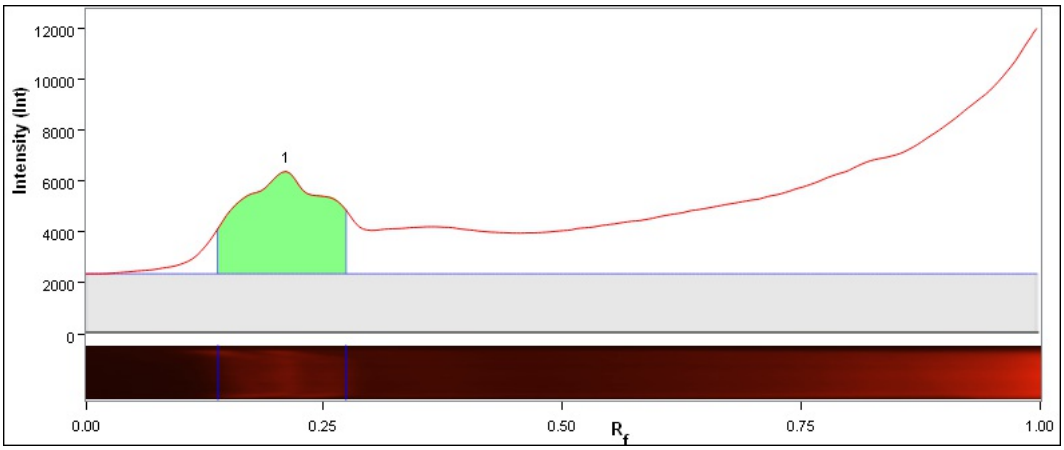
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,205	45.505.684	47.962.384	188,0	N/A	90,8	59,8
2		N/A	0,348	4.593.364	6.886.284	30,5	N/A	9,2	6,0

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

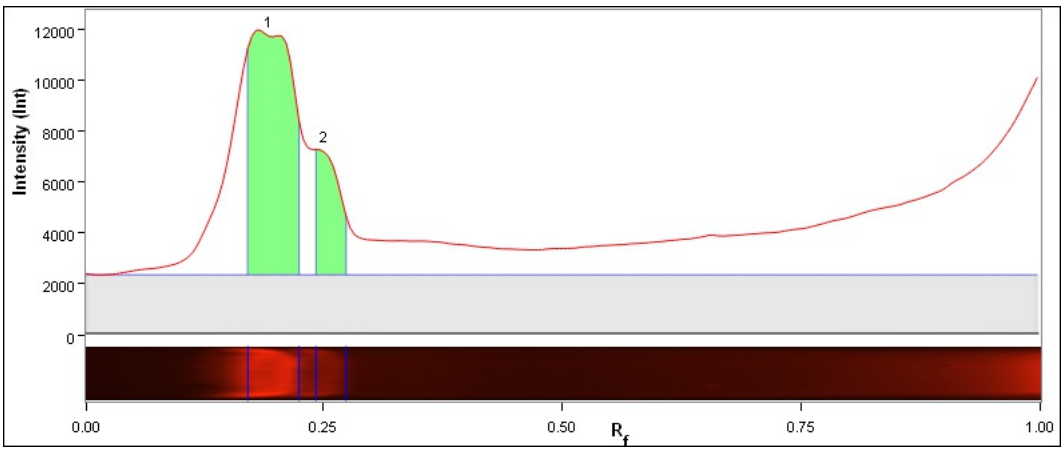
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,214	7.406.048	12.850.764	41,4	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	5.80 mm

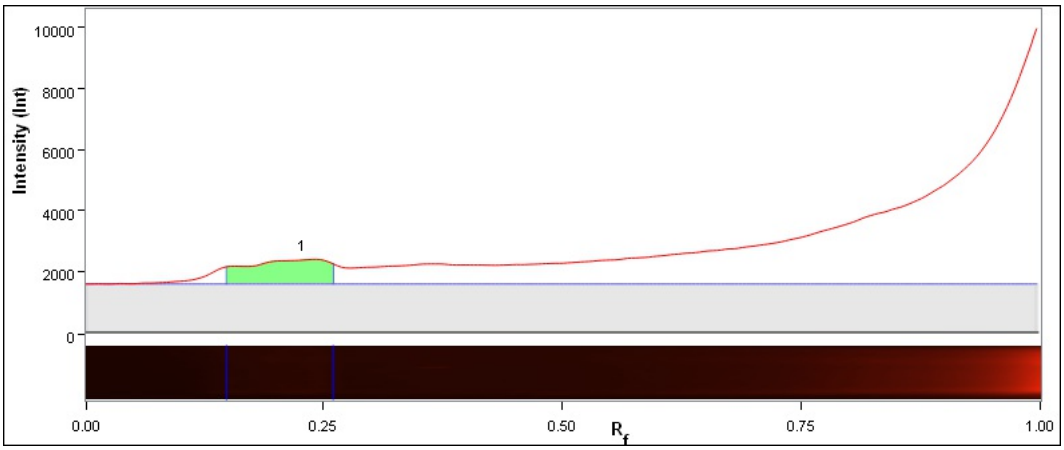
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,196	8.778.532	11.123.056	46,6	N/A	79,1	20,2
2		N/A	0,254	2.321.648	3.764.432	21,8	N/A	20,9	5,3

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

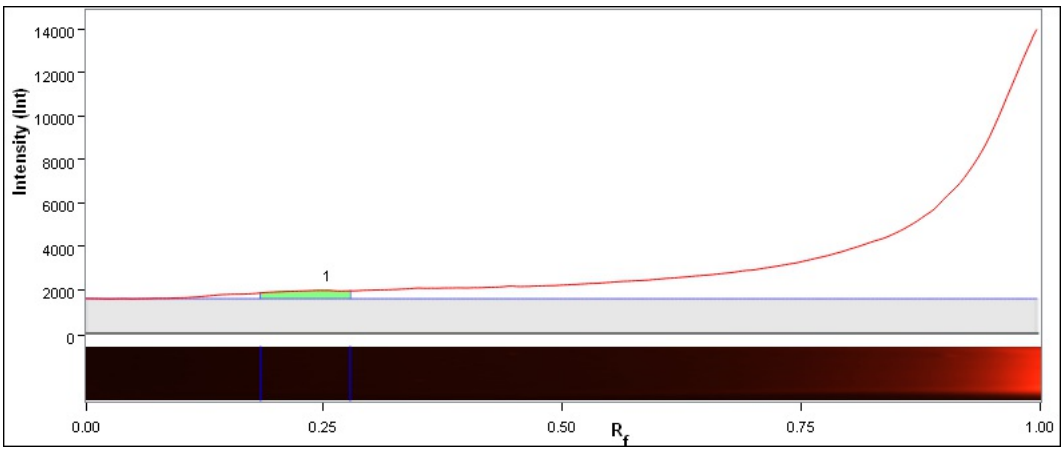
Lane 11



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,232	1.633.544	5.320.760	19,1	N/A	100,0	6,0

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

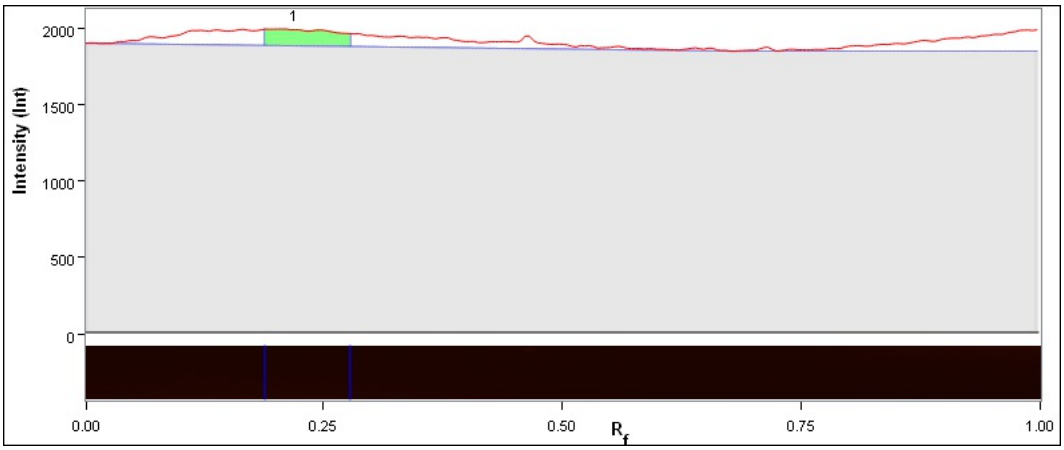
Lane 12



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,259	640.756	3.486.500	15,3	N/A	100,0	2,1

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

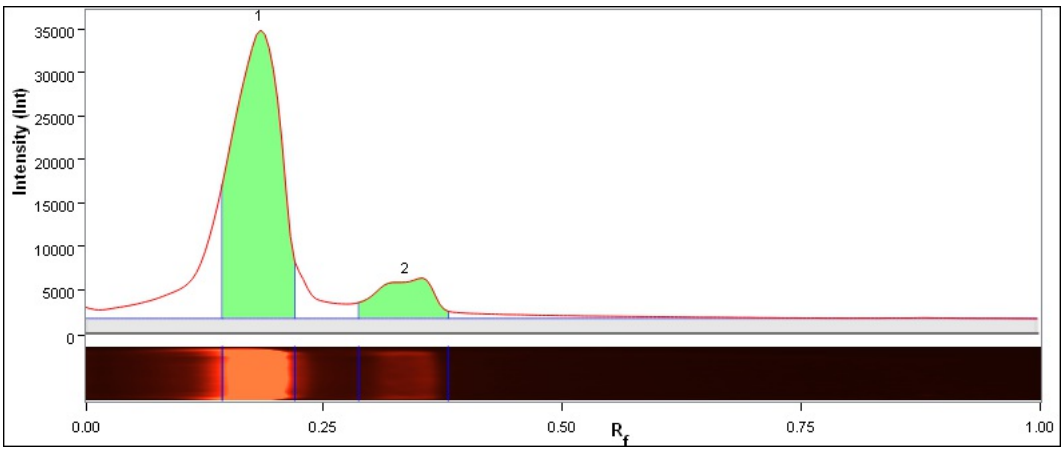
Lane 13



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,223	162.488	3.229.620	13,5	N/A	100,0	18,1

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

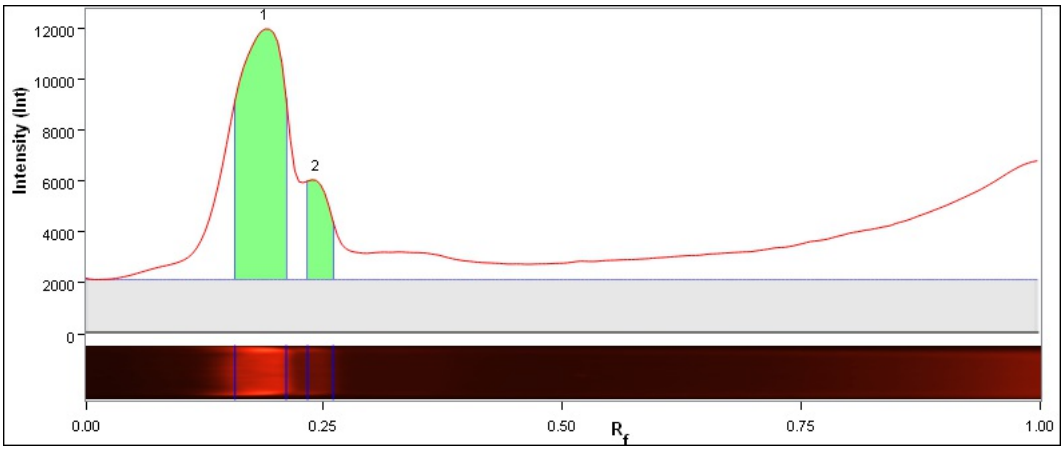
Lane 14



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,188	35.597.564	38.236.436	180,0	N/A	85,2	62,3
2		N/A	0,339	6.190.428	9.415.716	20,0	N/A	14,8	10,8

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

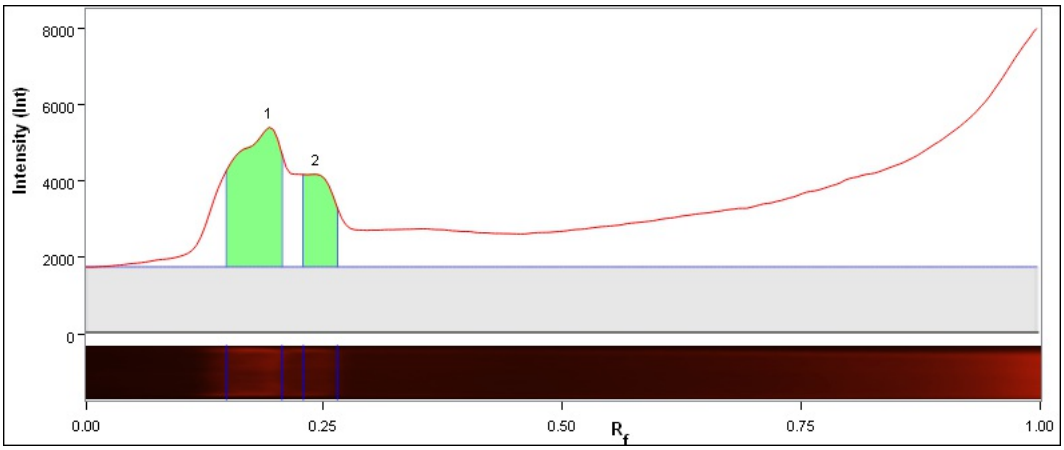
Lane 15



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,192	9.510.412	11.777.872	49,5	N/A	81,5	25,3
2		N/A	0,246	2.164.708	3.560.068	21,2	N/A	18,5	5,8

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

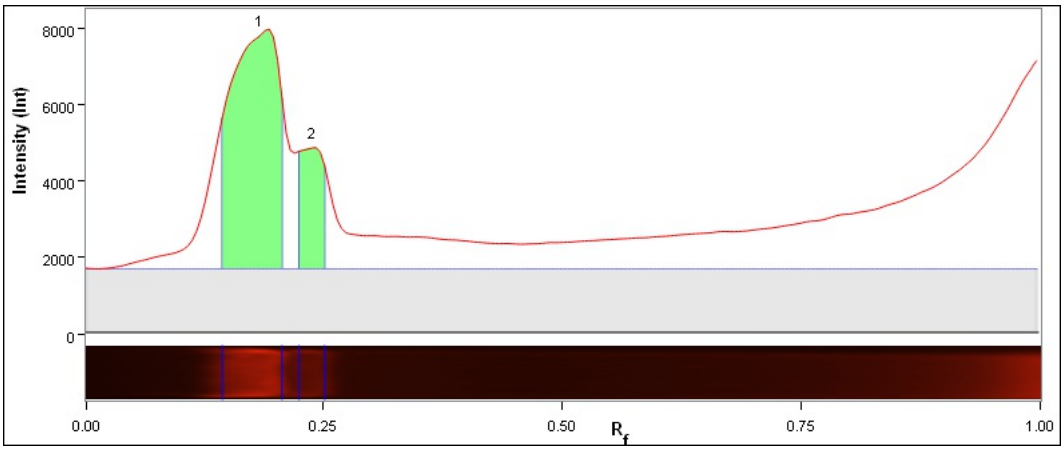
Lane 16



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,196	3.898.876	6.001.340	27,9	N/A	70,2	11,1
2		N/A	0,246	1.652.392	3.003.976	19,2	N/A	29,8	4,7

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

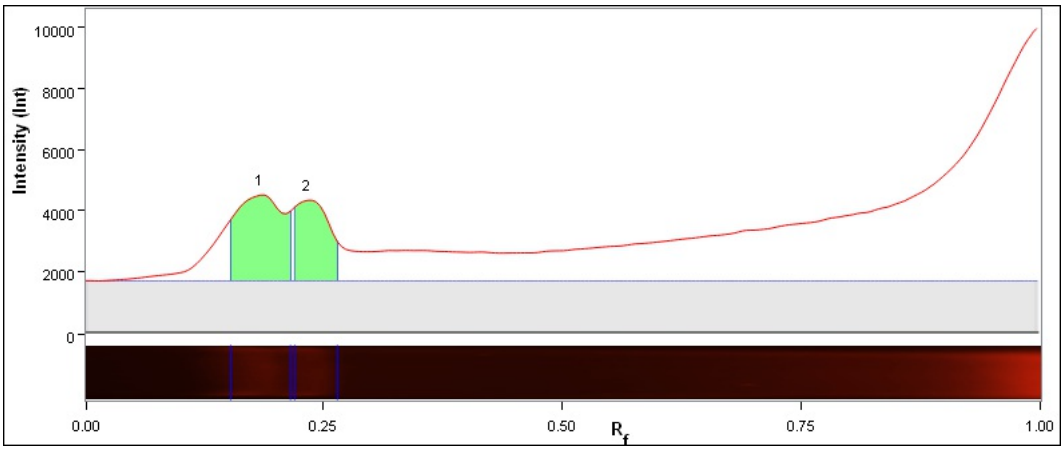
Lane 17



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,188	7.312.340	9.549.020	41,0	N/A	77,6	22,4
2		N/A	0,241	2.115.916	3.308.812	21,0	N/A	22,4	6,5

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	5.80 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	0,188	2.719.356	4.540.924	23,3	N/A	58,7	8,6
2		N/A	0,237	1.912.768	3.344.000	20,2	N/A	41,3	6,0

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