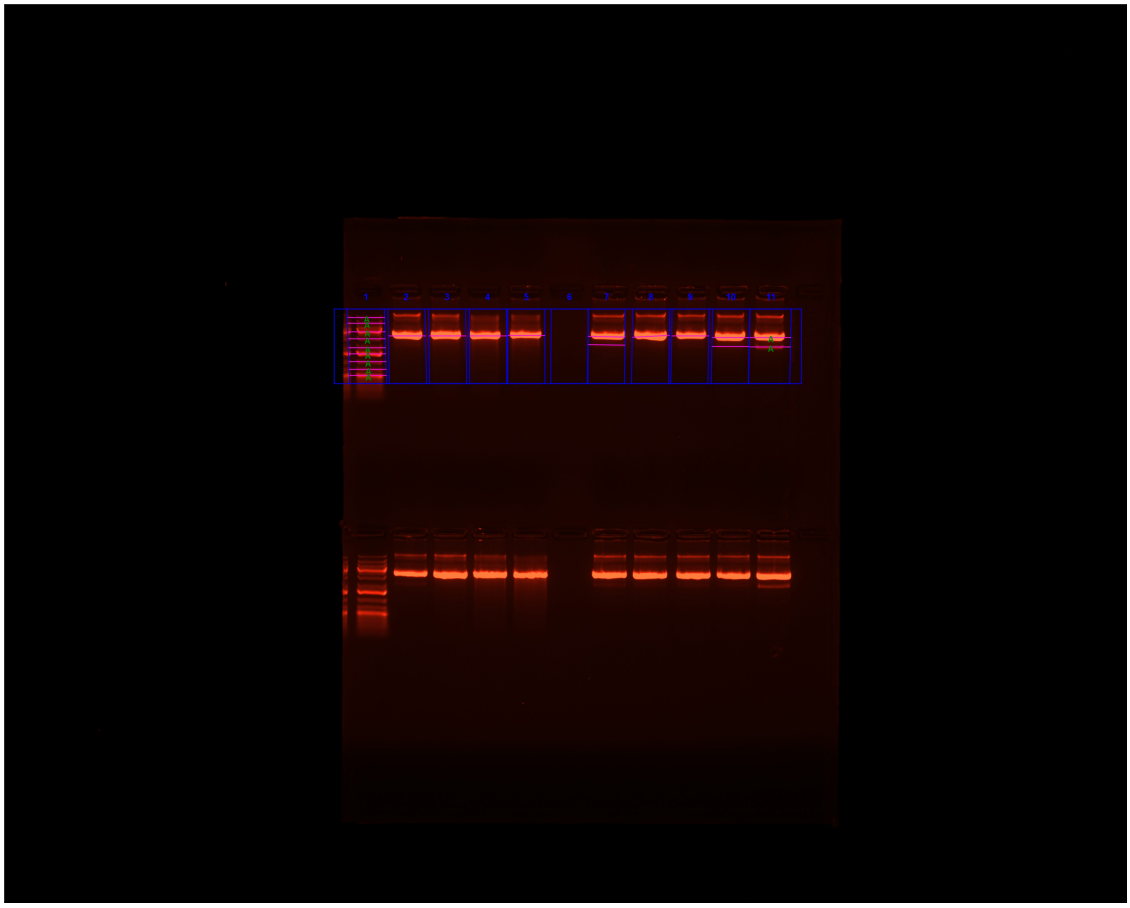
Image Report: Lab Molecolare 2021-01-07 12h56m37s



C:\Users\gnoce\OneDrive\Documenti\univesità\dottorato\immagini DNase1L2 Pichia pastoris \immagini e quantificazioni ChemiDoc\Mg e Ca only.ChemiDoc Images 2021-01-07_12.57.03\Lab Molecolare 2021-01-07 12h56m37s.scn

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Acquisition Information

Imager	ChemiDoc™ MP
Exposure Time (sec)	0.210 (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 12:56:36
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)	10 - 65535

Analysis Settings

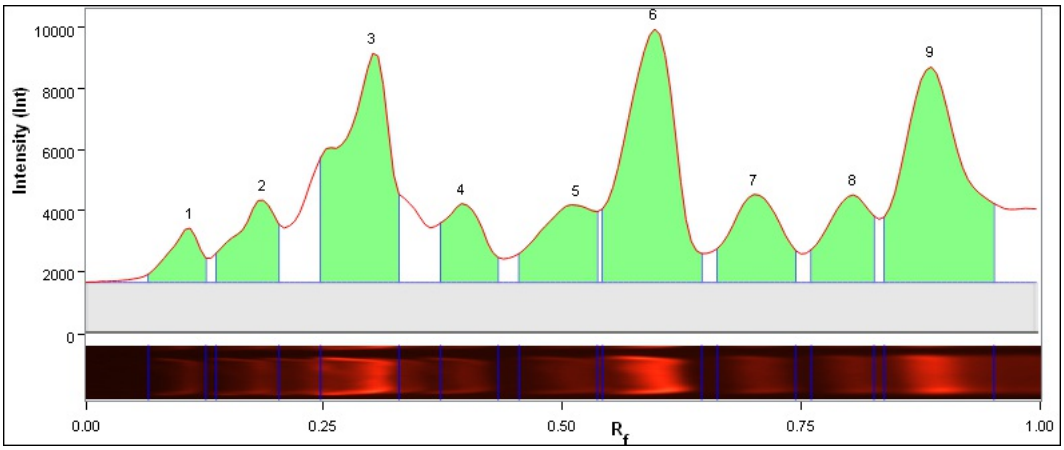
Detection	Lane detection: Automatically detected lanes with manual adjustments Band detection: Bands detected with different sensitivity per lane Manually adjusted bands Lane Background Subtraction: Lane background subtracted with disk size: 30.4 Lane width: Variable
Quantity Analysis	Quantity Standard 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 25.0 ng Lane 1 Band 5 Quantity 25.0 ng Lane 1 Band 6 Quantity 80.0 ng Lane 1 Band 7 Quantity 25.0 ng Lane 1 Band 8 Quantity 25.0 ng Lane 1 Band 9 Quantity 75.0 ng Lane 11 Band 1 Quantity 180.0 ng Lane 11 Band 2 Quantity 20.0 ng Quantity regression method: Linear Regression equation: y = 4.51E-06 * x + 18.5 R-squared value: R^2 = 0.921373

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	39.153.569	60.136.349	44.998.135	72.425.626	27.427.491	N/A
2	32.676.189	35.176.141	55.133.442	82.044.690	26.911.248	N/A
3	36.029.357	38.614.394	59.680.257	87.507.420	27.827.163	N/A
4	32.127.914	34.656.986	53.925.417	82.851.678	28.926.261	N/A
5	27.834.989	30.059.939	50.406.720	77.551.110	27.144.390	N/A
6	N/A	N/A	3.557.645	28.503.839	24.946.194	N/A
7	31.070.221	33.863.921	53.663.883	79.226.238	25.562.355	N/A
8	35.682.283	38.403.183	58.628.115	83.524.350	24.896.235	N/A
9	26.270.699	28.230.839	48.639.864	72.553.572	23.913.708	N/A
10	32.149.390	34.793.850	56.887.831	81.084.640	24.196.809	N/A
11	42.162.652	48.598.372	56.295.784	82.467.712	26.171.928	N/A

Lane And Band Analysis

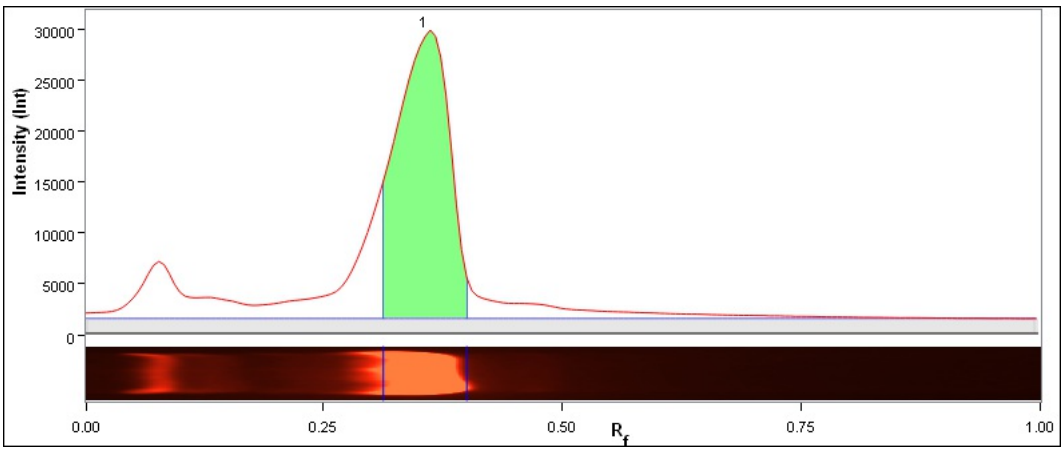
Lane 1



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,115	1.158.157	2.956.681	20,0	N/A	3,0	2,6
2		N/A	0,191	2.256.800	4.205.201	20,0	N/A	5,8	5,0
3		N/A	0,306	7.523.334	9.921.366	75,0	N/A	19,2	16,7
4		N/A	0,399	2.126.943	3.925.467	25,0	N/A	5,4	4,7
5		N/A	0,519	2.930.382	5.328.414	25,0	N/A	7,5	6,5
6		N/A	0,601	8.664.656	11.662.196	80,0	N/A	22,1	19,3
7		N/A	0,705	2.984.345	5.382.377	25,0	N/A	7,6	6,6
8		N/A	0,809	2.605.512	4.553.913	25,0	N/A	6,7	5,8
9		N/A	0,891	8.903.440	12.200.734	75,0	N/A	22,7	19,8

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

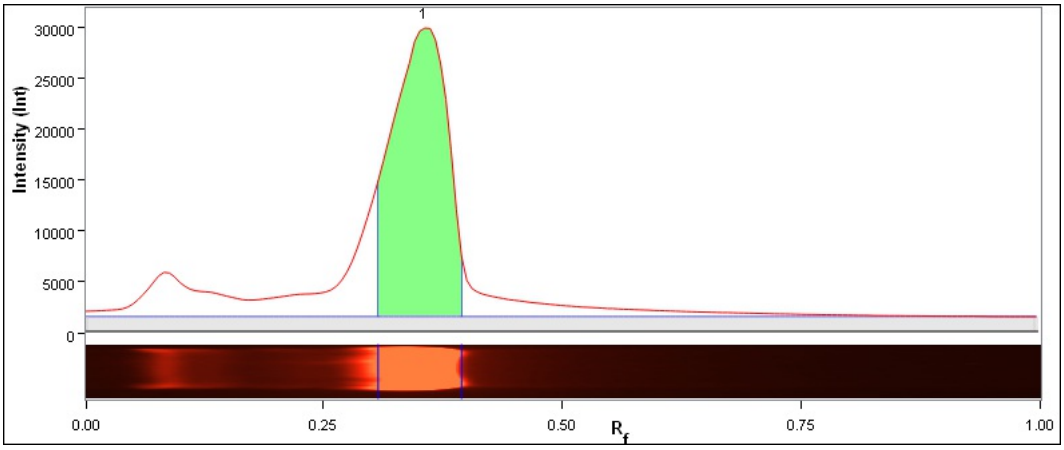
Lane 2



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,361	32.676.189	35.176.141	165,8	N/A	100,0	59,3

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

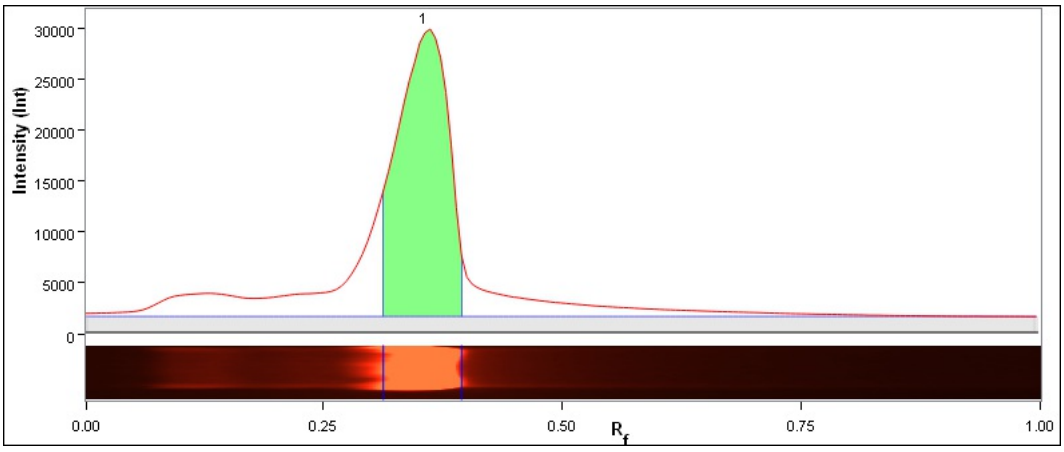
Lane 3



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,361	36.029.357	38.614.394	180,9	N/A	100,0	60,4

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

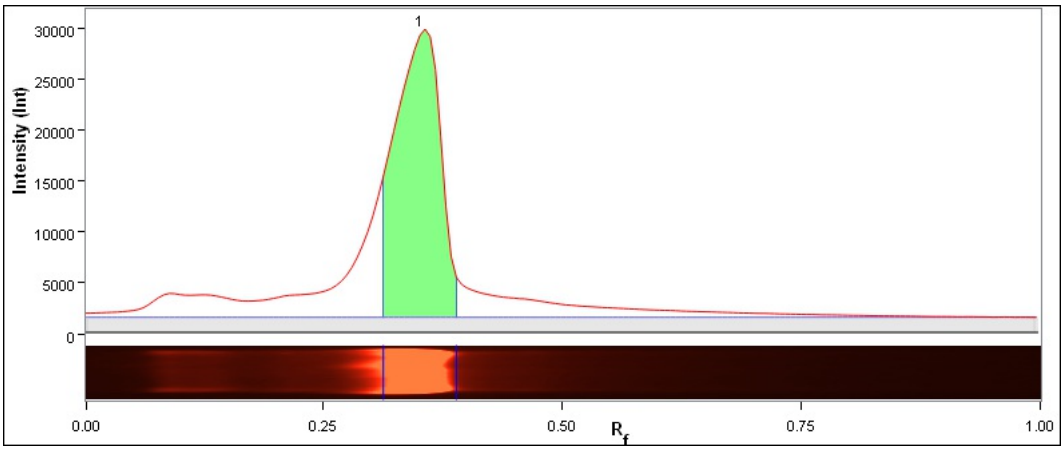
Lane 4



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,361	32.127.914	34.656.986	163,3	N/A	100,0	59,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

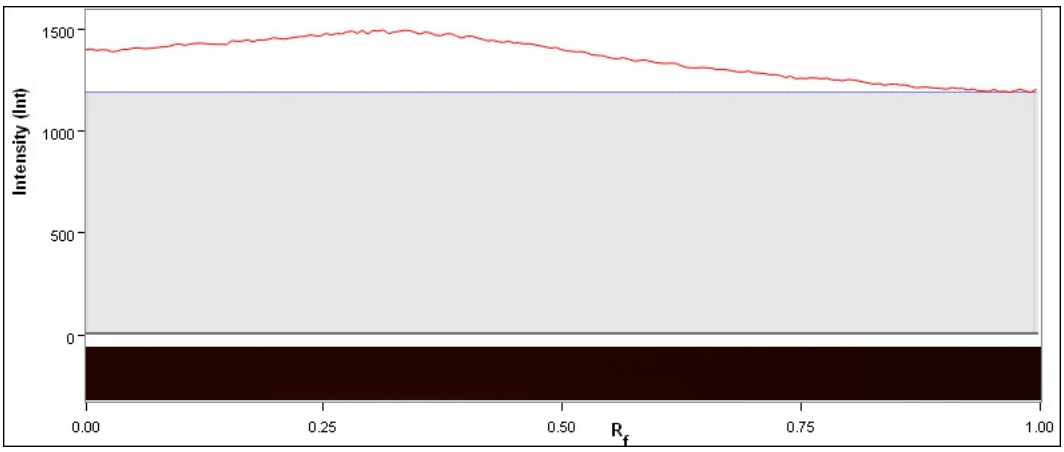
Lane 5



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,355	27.834.989	30.059.939	144,0	N/A	100,0	55,2

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

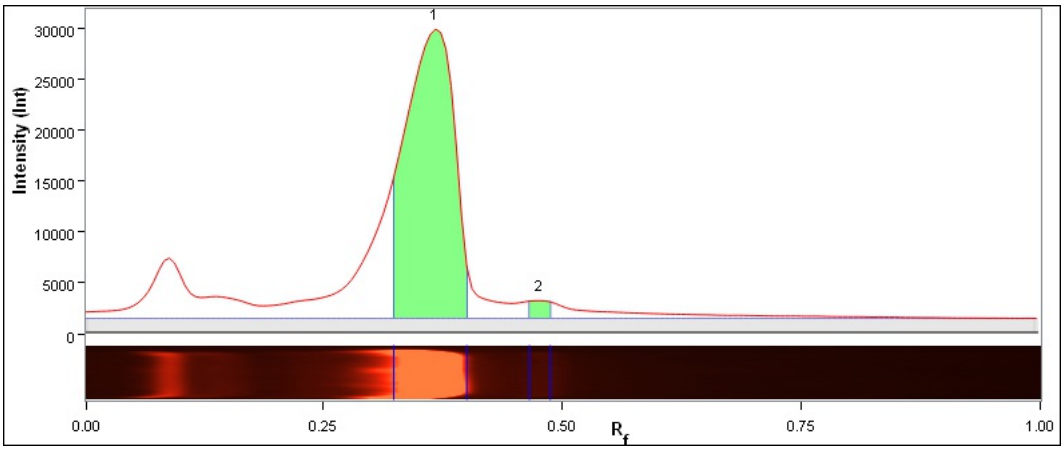
Lane 6



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

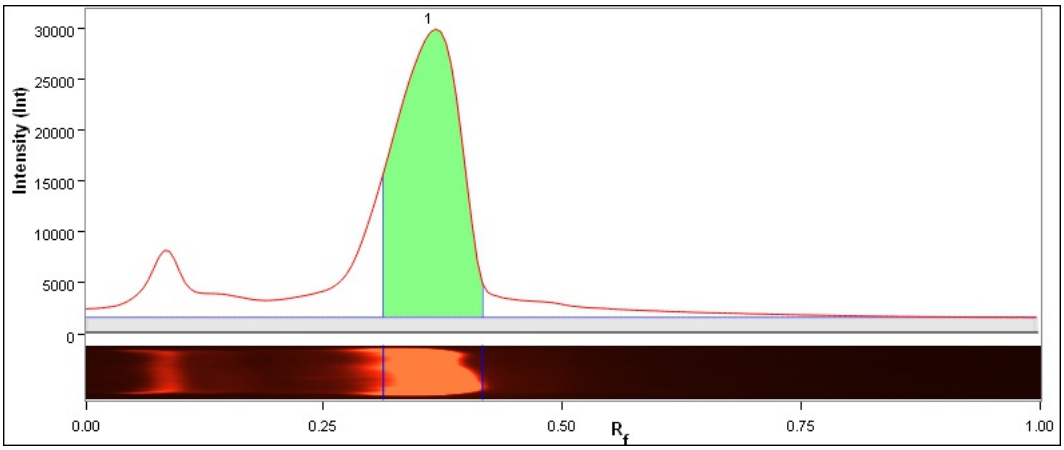
Lane 7



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,372	30.233.567	32.328.842	154,8	N/A	97,3	56,3
2		N/A	0,481	836.654	1.535.079	22,3	N/A	2,7	1,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

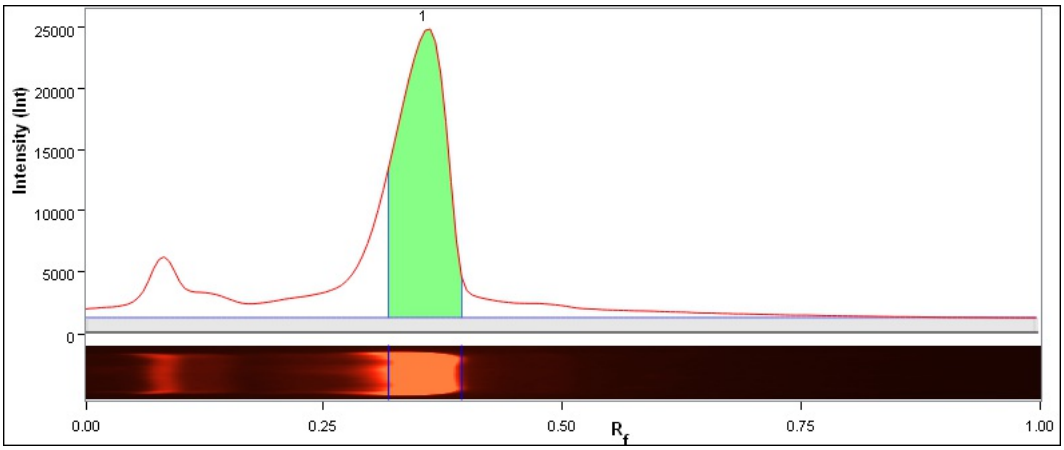
Lane 8



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,366	35.682.283	38.403.183	179,3	N/A	100,0	60,9

Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

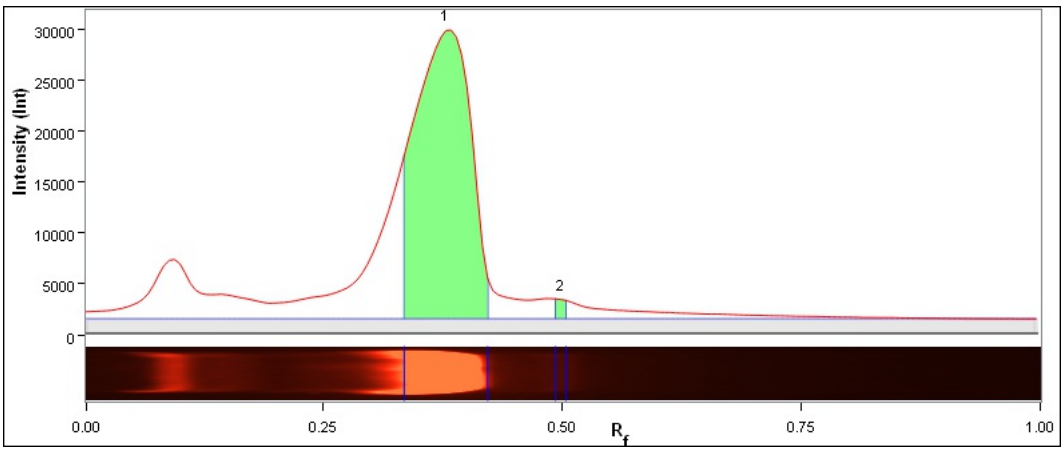
Lane 9



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,361	26.270.699	28.230.839	136,9	N/A	100,0	54,0

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 mm

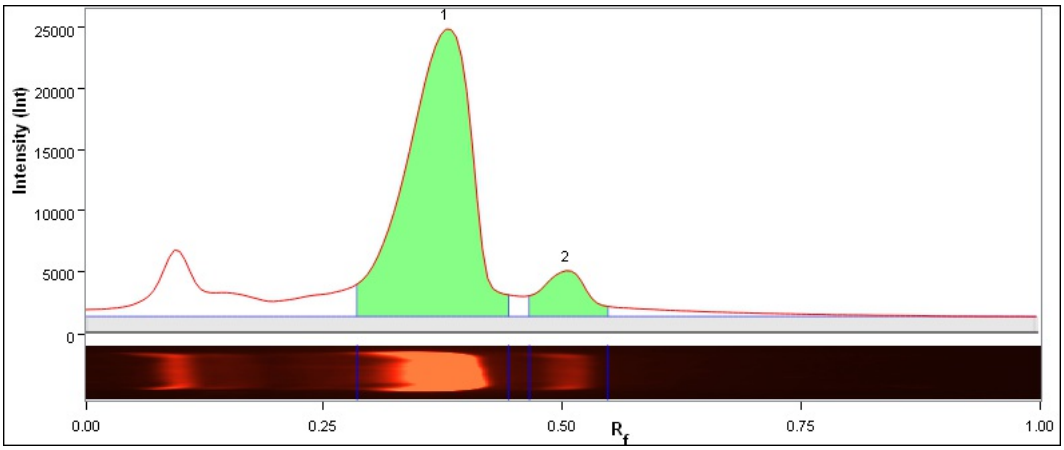
Lane 10



Band No.	Band Label	Mol. Wt. (KDa)	Relative Front	Adj. Volume (Int)	Volume (Int)	Abs. Quant. (ng)	Rel. Quant.	Band %	Lane %
1		N/A	0,383	31.649.527	33.897.318	161,1	N/A	98,4	55,6
2		N/A	0,503	499.863	896.532	20,8	N/A	1,6	0,9

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	6.95 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	0,383	37.878.636	42.026.100	180,0	N/A	89,8	67,3
2		N/A	0,508	4.284.016	6.572.272	20,0	N/A	10,2	7,6

Band Detection	Automatically detected bands with sensitivity: High
Lane Background	Lane background subtracted with disk size: 30.4
Lane Width	7.71 mm