

Figure 1

Treatments	Day	N	Mean	Std Dev	Minimum	Maximum
BioE4	0	5	154.1	12.7	140.6	173.1
	2	5	241.9	106.9	152.1	410.1
	5	5	307.5	105.0	188.2	429.9
	7	4	359.7	133.7	184.0	499.4
	9	4	482.9	234.9	252.4	807.9
	11	4	703.1	383.6	384.7	1259.4
	13	4	786.3	412.0	407.1	1285.3
	15	4	902.0	418.0	422.5	1347.3
Control	0	4	154.8	17.9	140.3	179.3
	2	4	221.5	39.9	178.4	272.9
	5	4	278.4	21.2	257.0	307.6
	7	4	595.9	96.7	458.7	684.3
	9	4	730.0	184.2	571.5	994.4
	11	4	875.8	117.3	708.6	970.3
	13	4	1162.6	184.9	950.3	1331.3
	15	4	1464.1	27.1	1425.6	1488.0

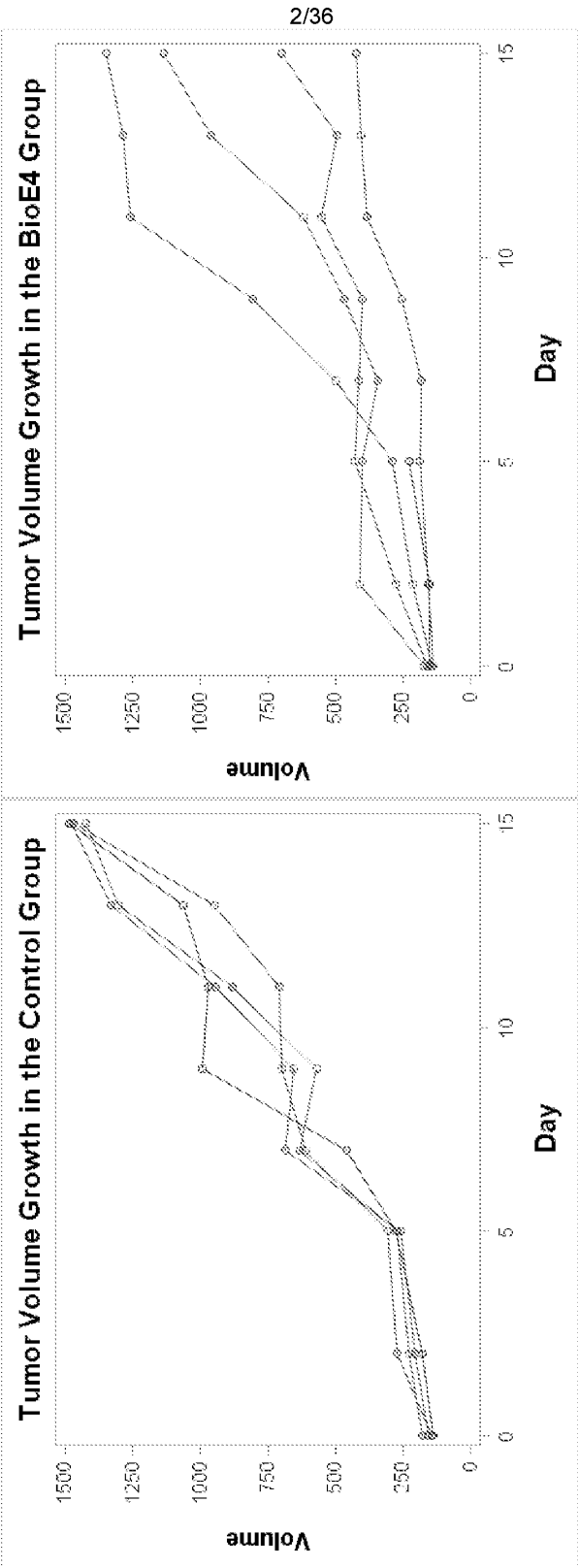


Figure 2B

Figure 2A

Figure 2

Figure 3

Effect	Estimate	Standard Error	DF	t Value	Pr > t
Intercept	153.58	97.7400	7	1.57	0.1601
Day	18.4949	23.5118	54	0.79	0.4349
Day*Day	4.5909	1.4558	54	3.15	0.0026
BioE4	0.8204	131.15	7	0.01	0.9952
Day x BioE4	6.1624	32.0055	54	0.19	0.8480
Day ² x BioE4	-2.9196	1.9987	54	-1.46	0.1499

Figure 4

	Model-Based Estimate of Mean Volume on Day 15	Standard Error	95% Confidence Interval for the Mean
Control Group	1464.0 mm ³	97.7	(1268.0, 1659.9)
BioE4 Group	900.3 mm ³	97.4	(705.1, 1095.6)
Difference (Control – BioE4)	563.7 mm ³	138.0	(287.0, 840.3)
	Model-Based Estimate of Mean Rate of Increase in Volume on Day 15	Standard Error	95% Confidence Interval for the Mean
Control Group	156.2 mm ³ per day	23.5	(109.0, 203.4)
BioE4 Group	74.8 mm ³ per day	22.6	(29.5, 120.1)
Difference (Control – BioE4)	81.4 mm ³ per day	32.6	(16.0, 146.9)

Figure 5

	PBS (n=5)		Bio96 (n=5)		BioE4-03 (n=4)	
Day	Mean	Std Dev	Mean	Std Dev	Mean	Std Dev
0	80.8	28.1	52.6	1.9	60.1	15
1	92.7	61.1	67.3	14.7	49.6	32.4
4	125.1	64.6	103.4	20.4	99.6	58.7
6	147.2	77.3	136.9	46.2	122.9	78
7	200.9	73.1	124.3	34.6	132.9	91.5
8	230.3	110.3	112.1	15.9	138.3	94.3
11	333.1	131.3	180.1	31.4	182.4	98.9
13	483.2	227.7	313.6	122.9	269	159.1
14	615.3	343.6	394.3	86.1	289.1	169.1
15	656.3	292.6	413.6	130.8	408.2	278.6
18	1104.2	617.2	548.2	215.5	547.3	310
20	900.8	96.4	693.9	262.4	620.9	362.7
21	1061.7	87.6	872.8	401.9	768.4	458.4

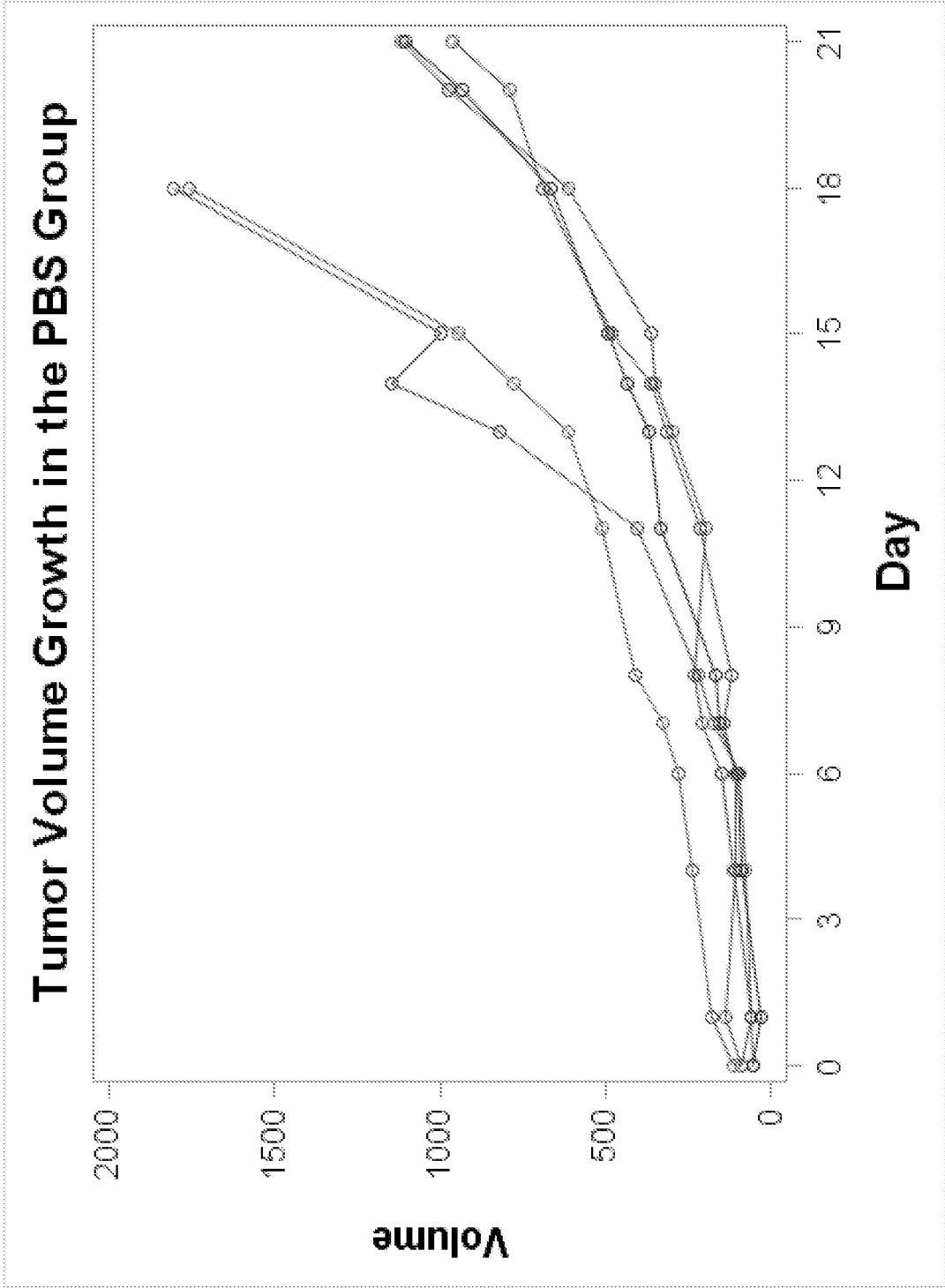


Figure 6A

Figure 6

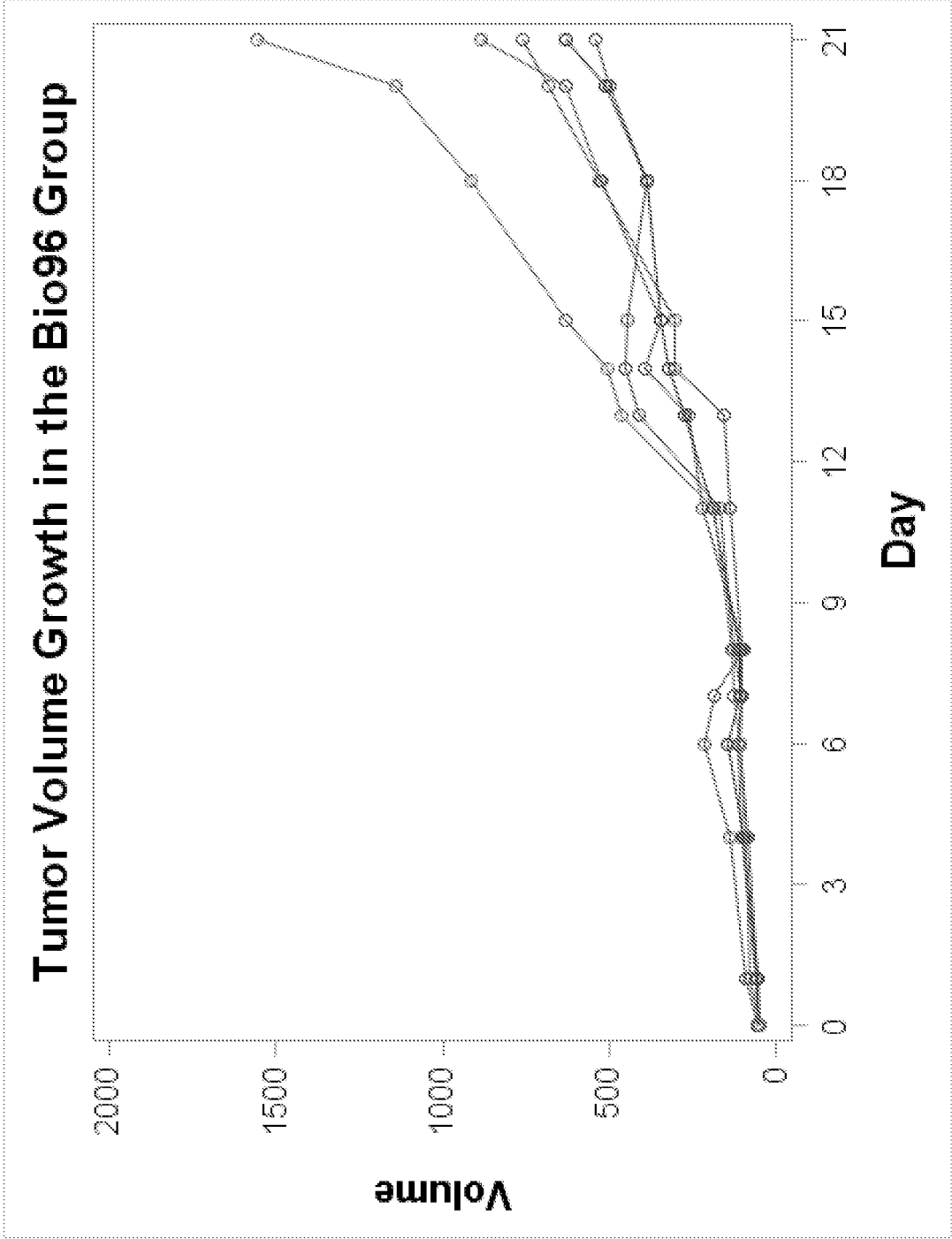


Figure 6B

Figure 6 Cont.

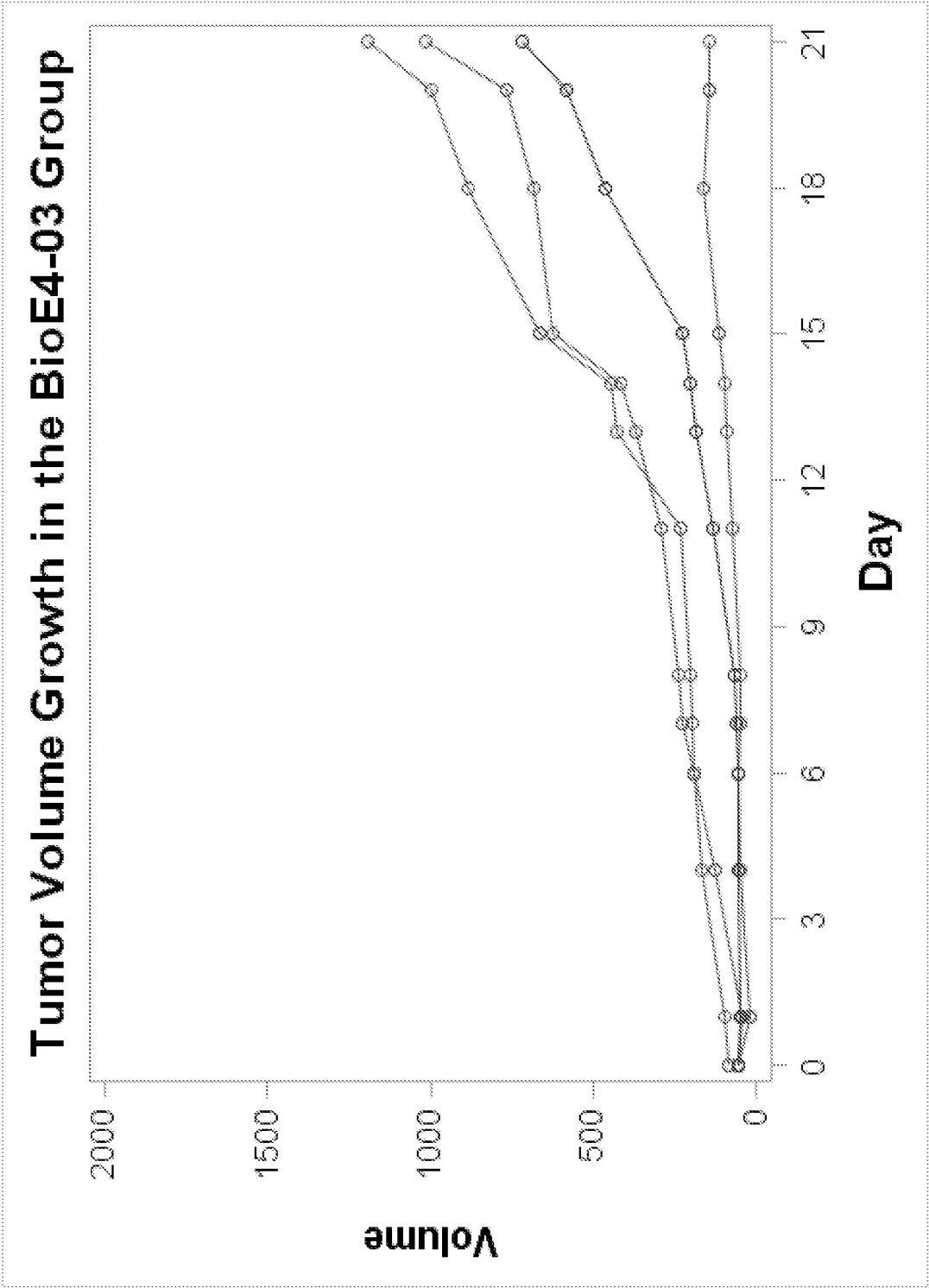


Figure 6C

Figure 6 Cont.

Figure 7

Effect	Treatment	Estimate	Standard Error	DF	t Value	Pr > t
Intercept		81.4676	139.95	11	0.58	0.5722
Day		-16.7560	14.3377	158	-1.17	0.2443
Day ²		3.9965	0.6391	158	6.25	<.0001
Treatment	Bio96	-27.5298	197.92	11	-0.14	0.8919
Treatment	BioE4-03	-20.6341	209.93	11	-0.10	0.9235
Treatment	PBS	0	.	.	.	.
Day*Treatment	Bio96	4.0356	20.0487	158	0.20	0.8407
Day*Treatment	BioE4-03	8.0387	21.2378	158	0.38	0.7056
Day*Treatment	PBS	0	.	.	.	.
Day ² x Treatment	Bio96	-1.5371	0.8737	158	-1.76	0.0804
Day ² x Treatment	BioE4-03	-1.9786	0.9230	158	-2.14	0.0336
Day ² x Treatment	PBS	0	.	.	.	.

Figure 8

	Model-Based Estimate of Mean Volume on Day 21	Standard Error	95% Confidence Interval for the Mean
Control Group	1492.1 mm ³	145.3	1205.1, 1779.0
Bio96 Group	871.4 mm ³	140.0	595.0, 1147.8
BioE4-03 Group	767.7 mm ³	156.5	458.6, 1076.7
Difference (Control – Bio96)	620.7 mm ³	201.7	222.2, 1019.1
Difference (Control – BioE4-03)	724.4 mm ³	213.5	302.7, 1146.1
	Model-Based Estimate of Mean Rate of Increase in Volume on Day 21	Standard Error	95% Confidence Interval for the Mean
Control Group	151.1 mm ³ per day	15.5	120.4, 181.8
Bio96 Group	90.6 mm ³ per day	14.0	62.9, 118.3
BioE4-03 Group	76.0 mm ³ per day	15.7	45.1, 107.0
Difference (Control – Bio96)	60.5 mm ³ per day	20.9	19.2, 101.8
Difference (Control – BioE4-03)	75.1 mm ³ per day	22.1	31.5, 118.6

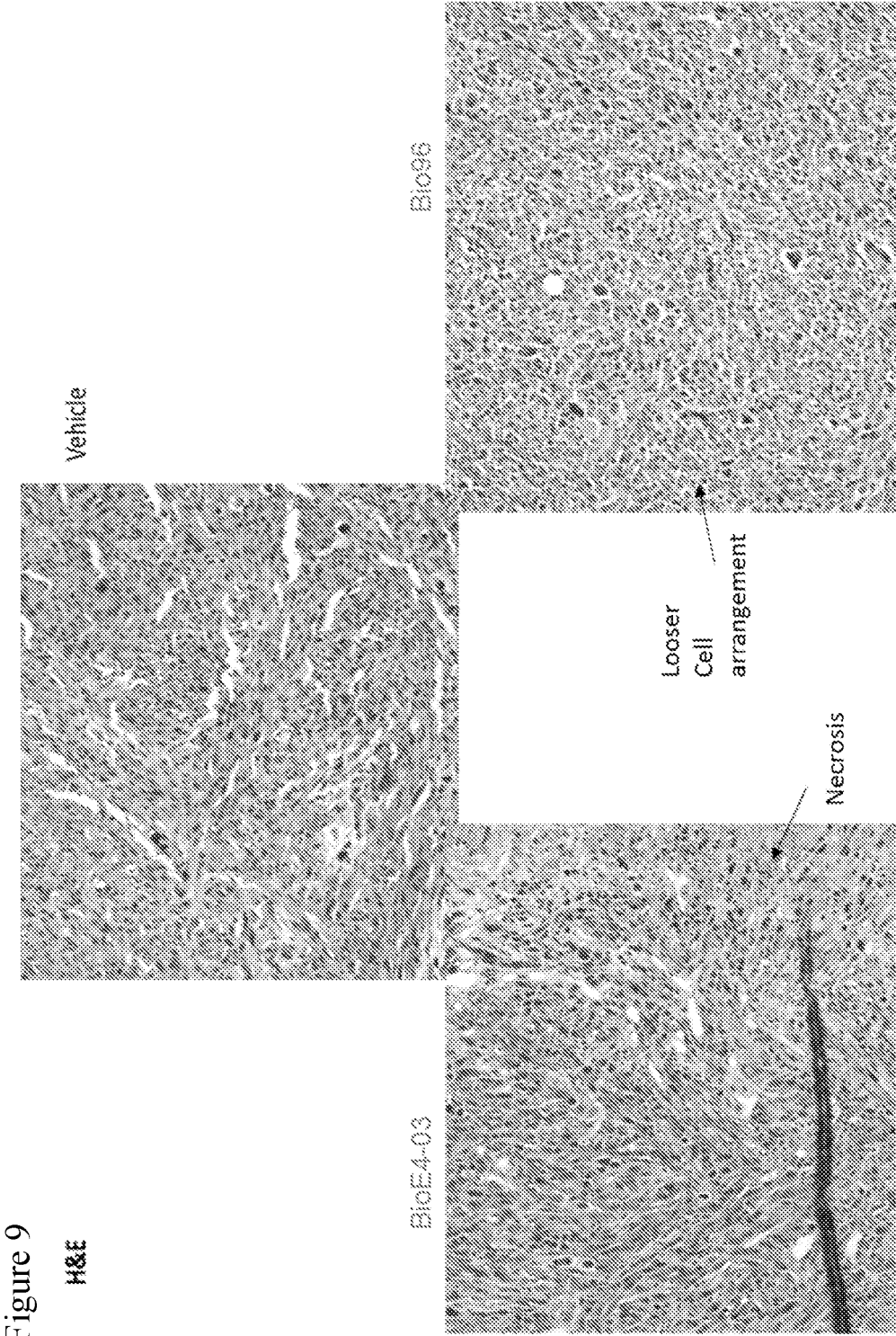
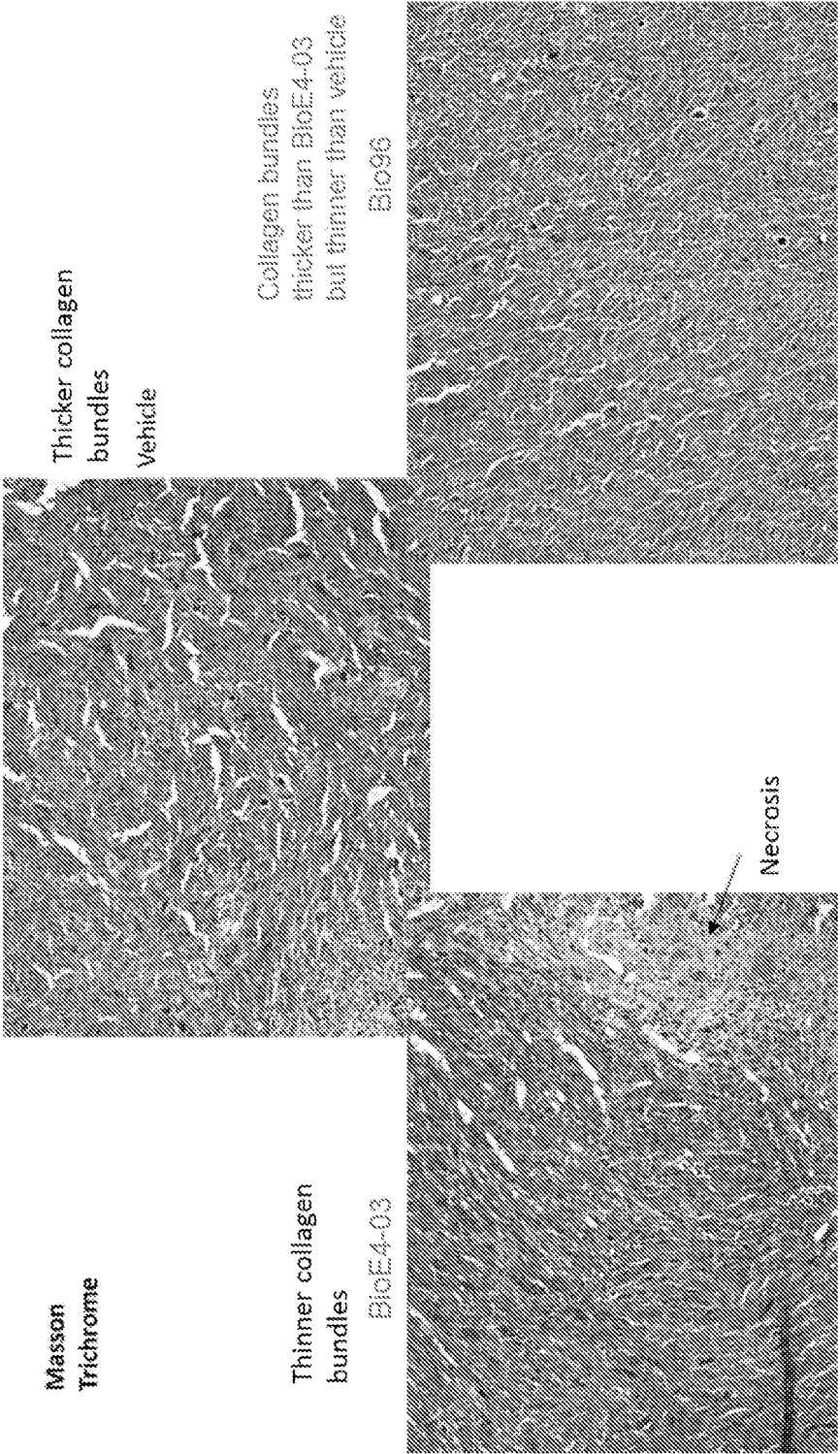


Figure 10



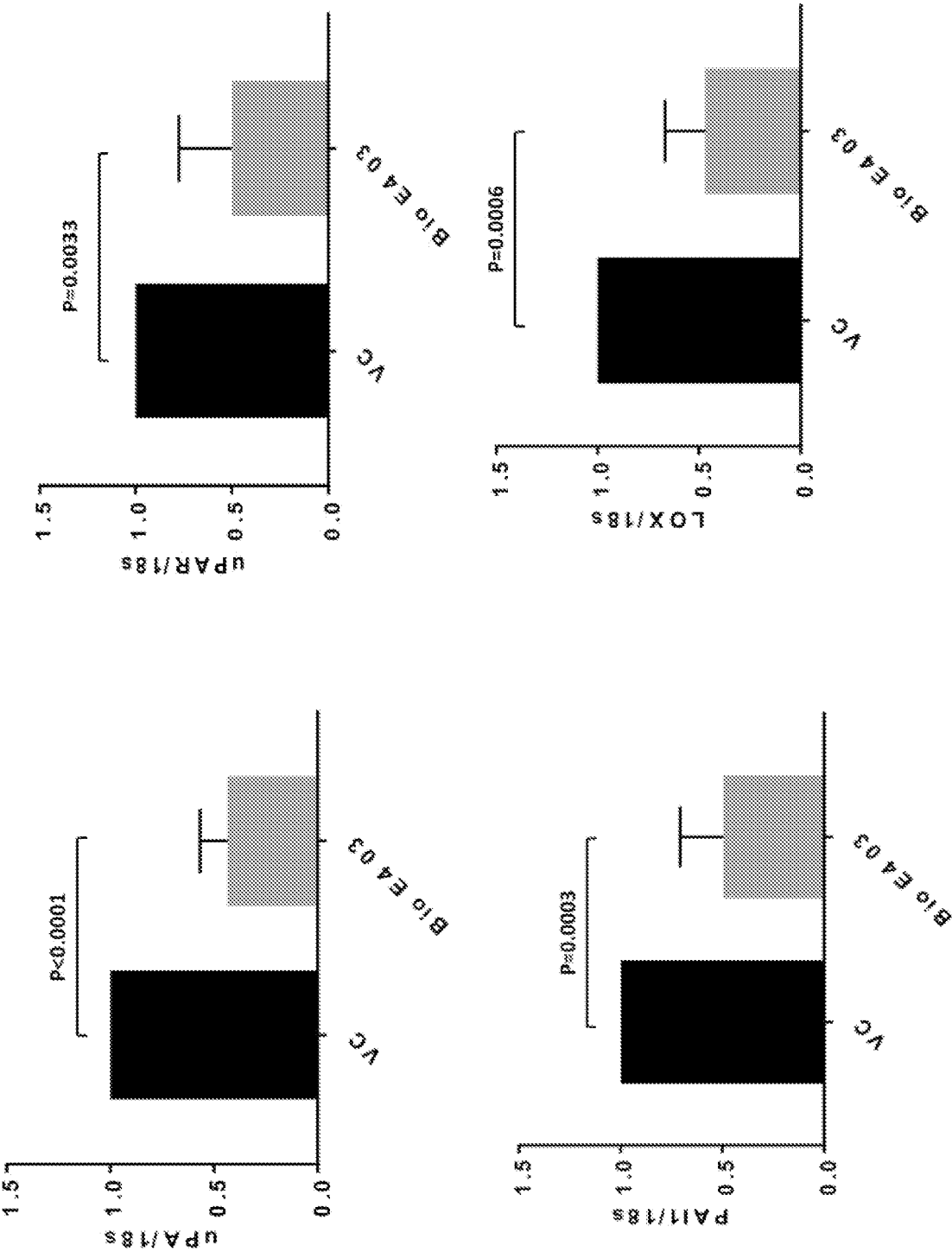


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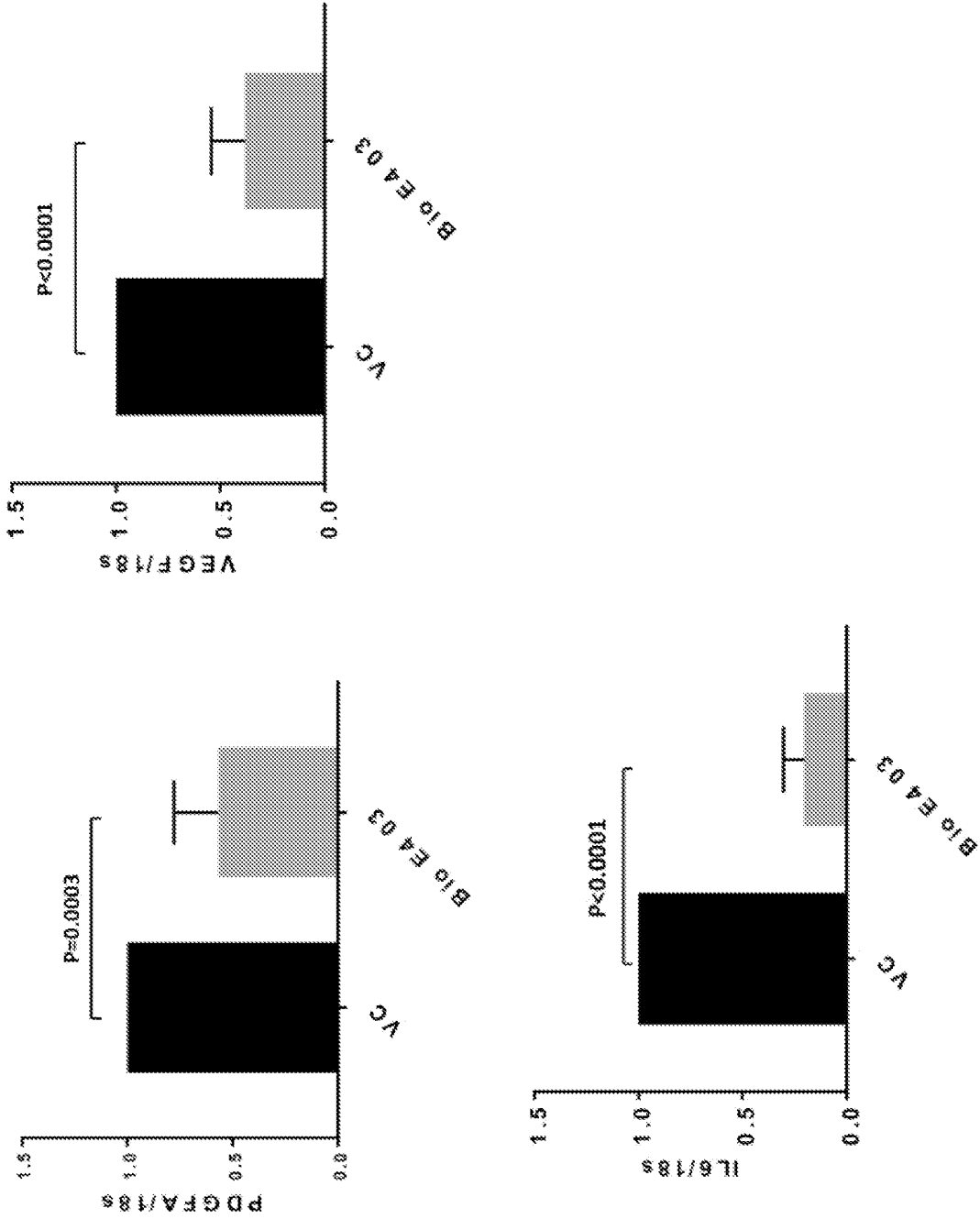


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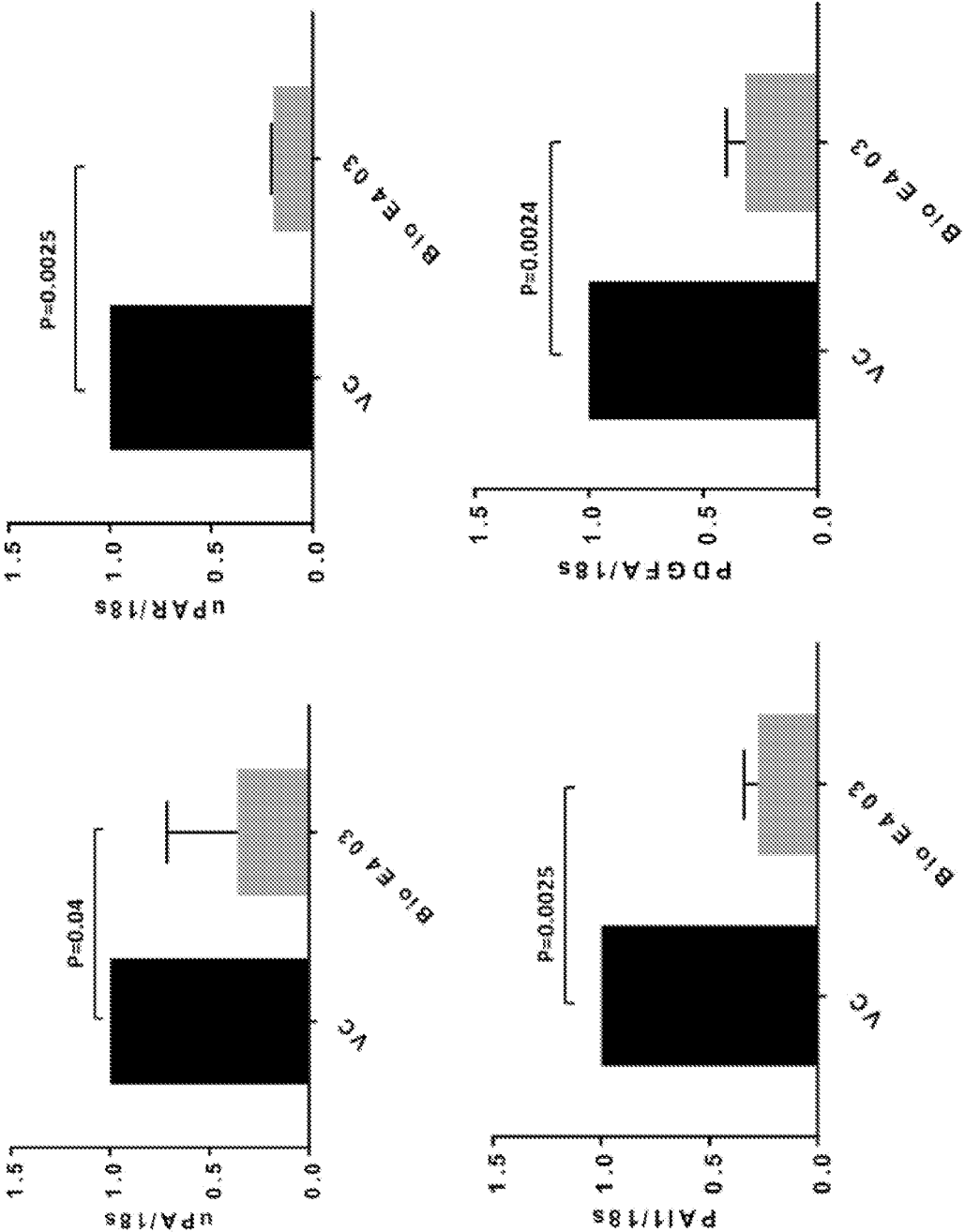


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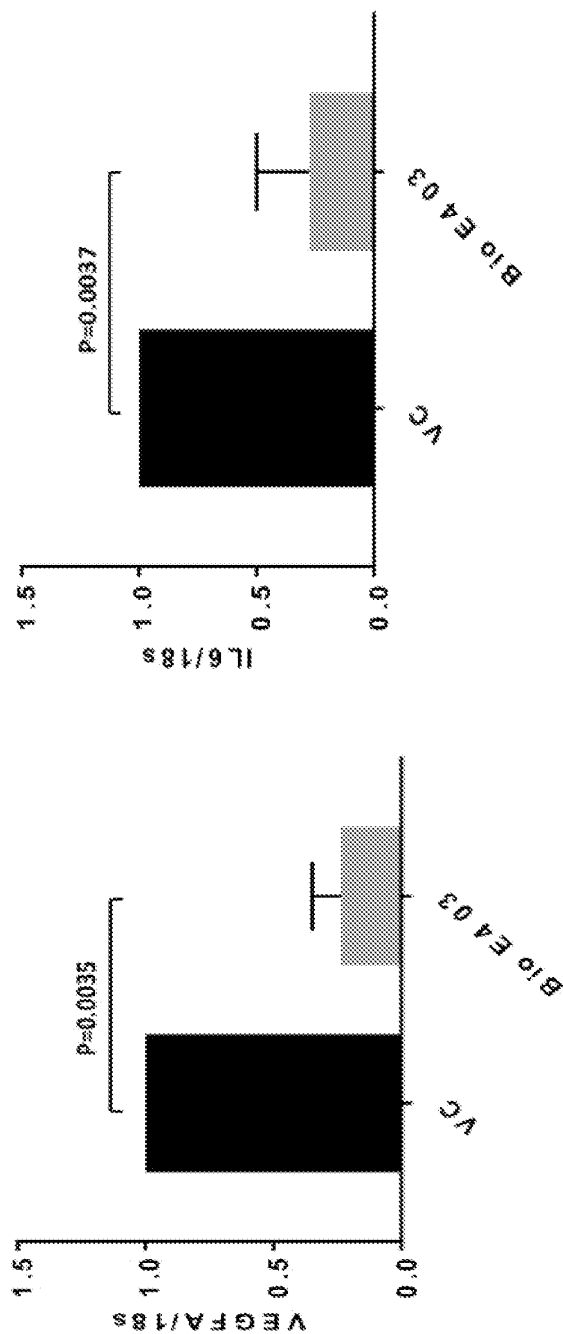


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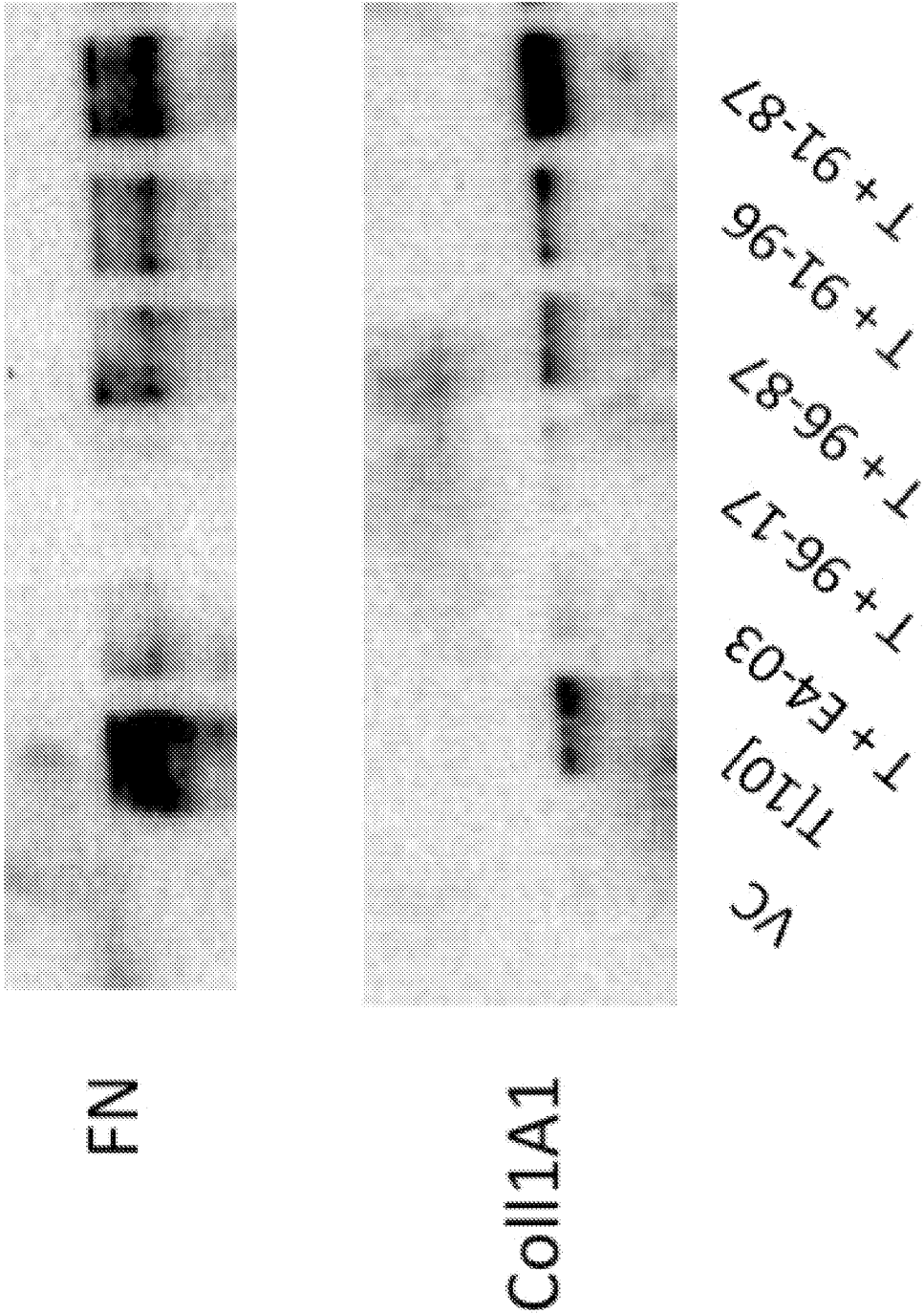


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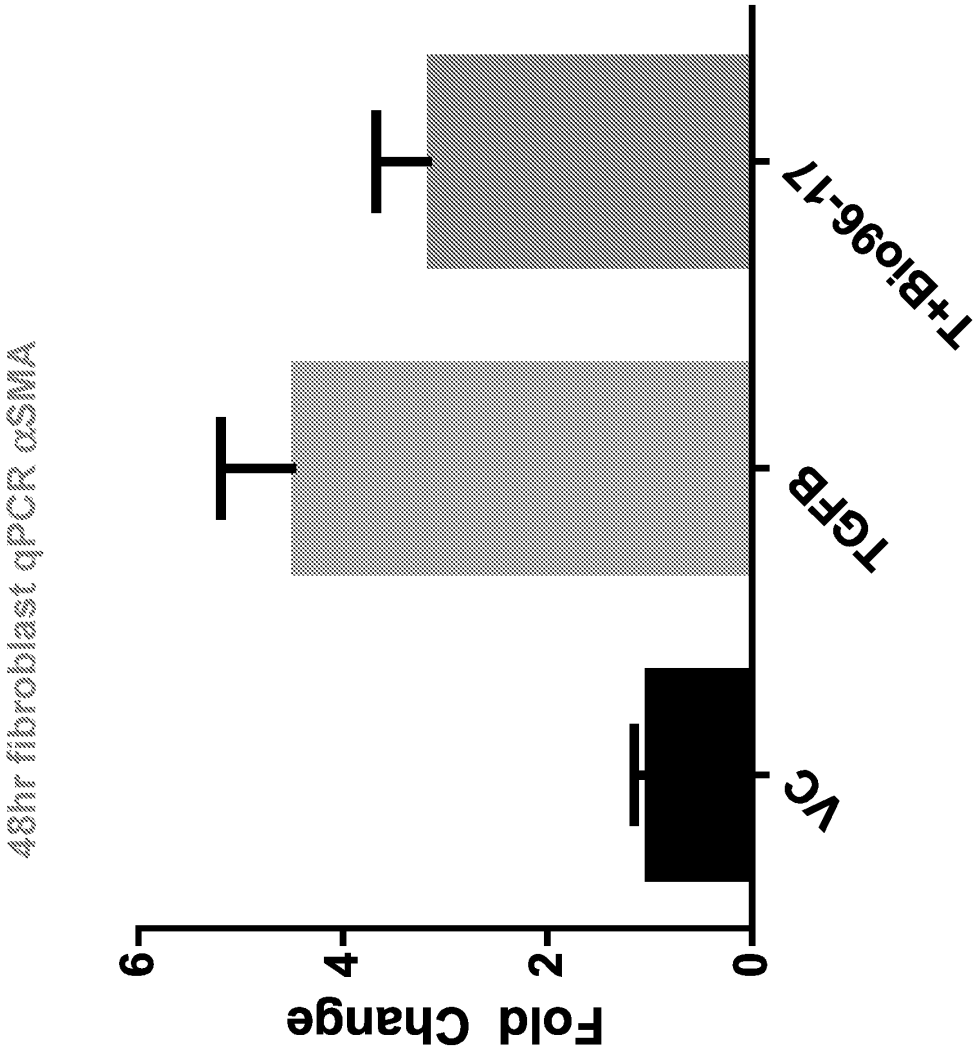


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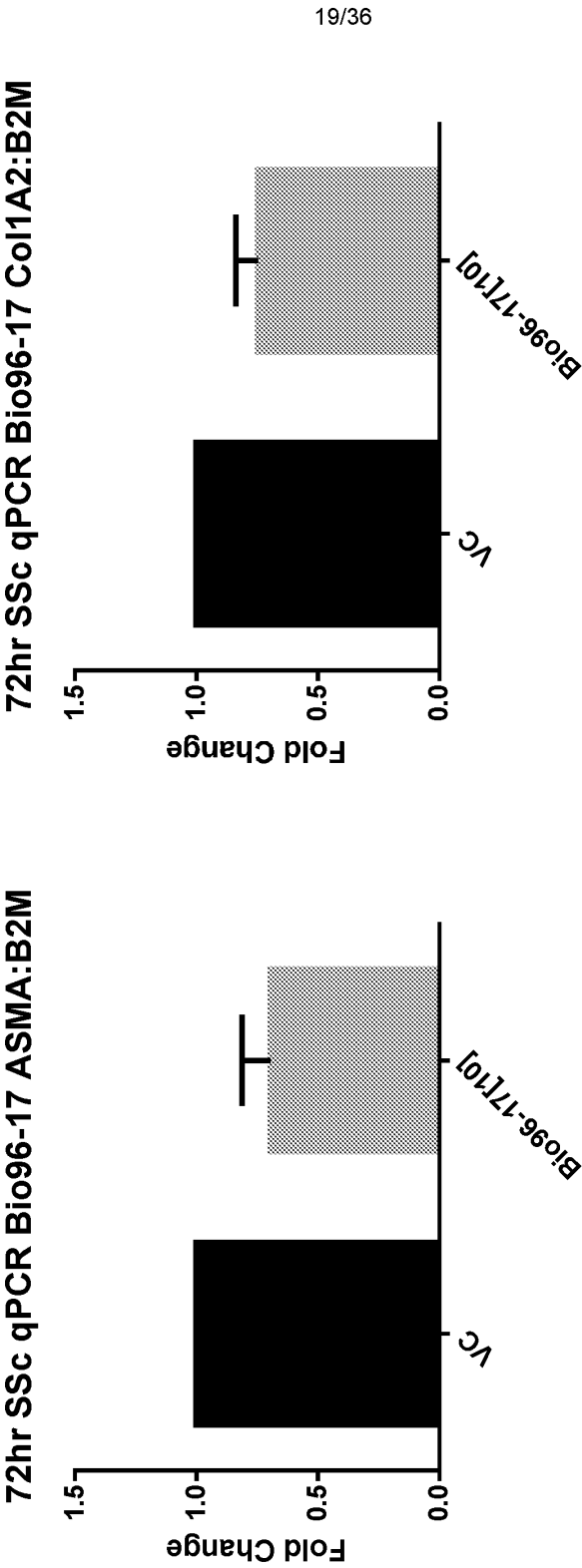


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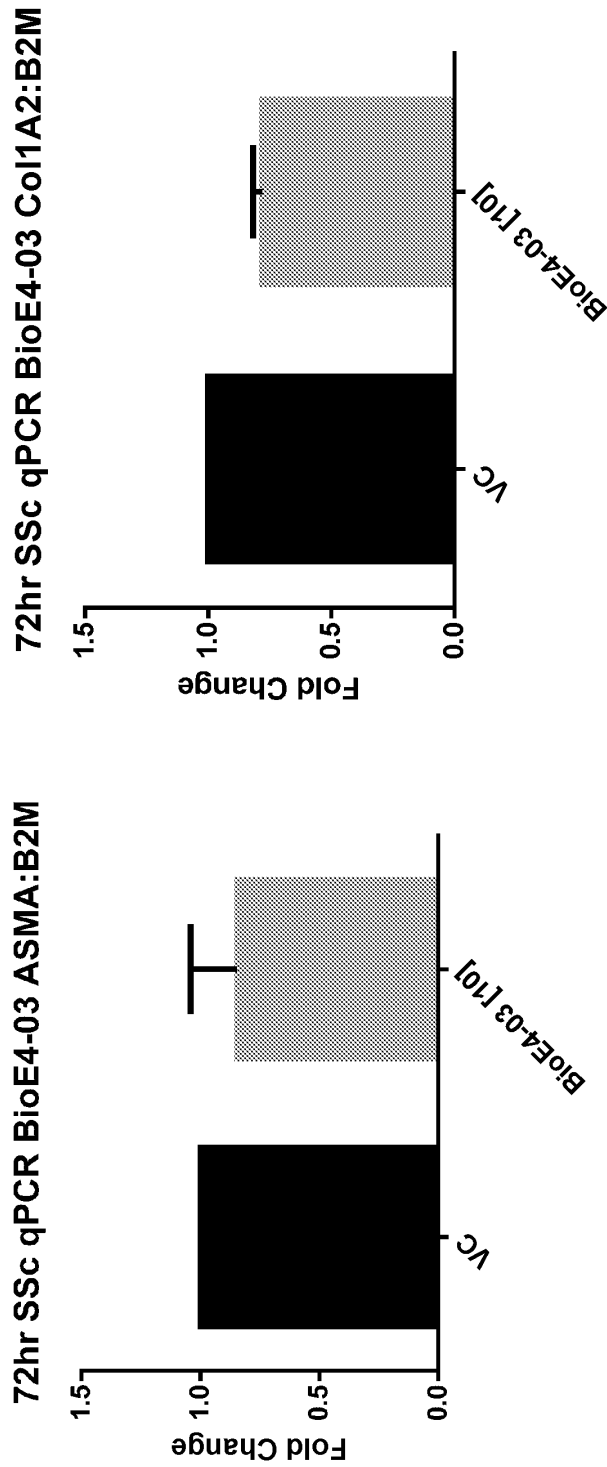


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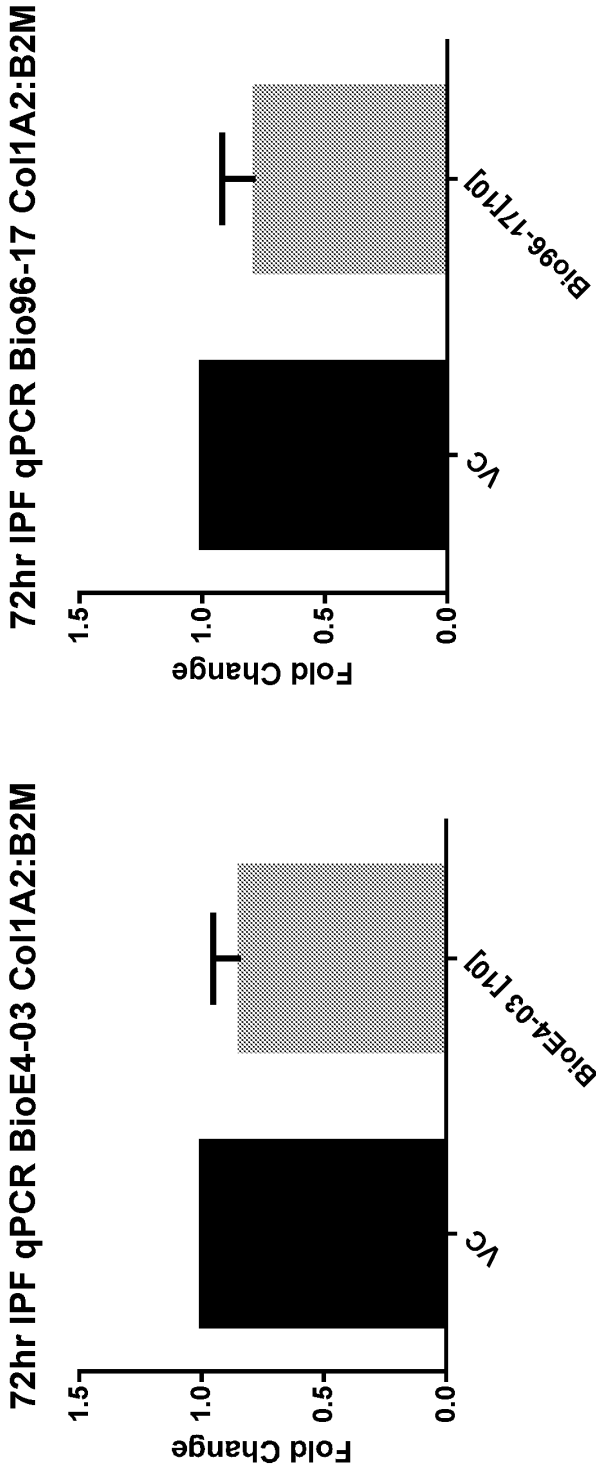


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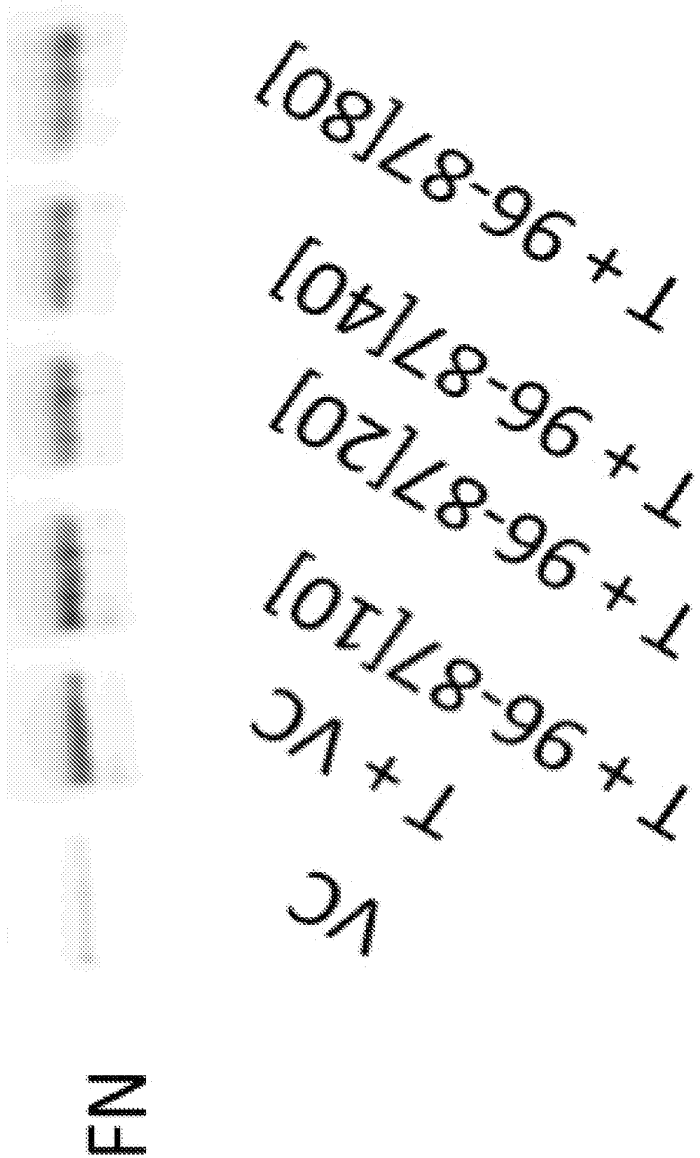


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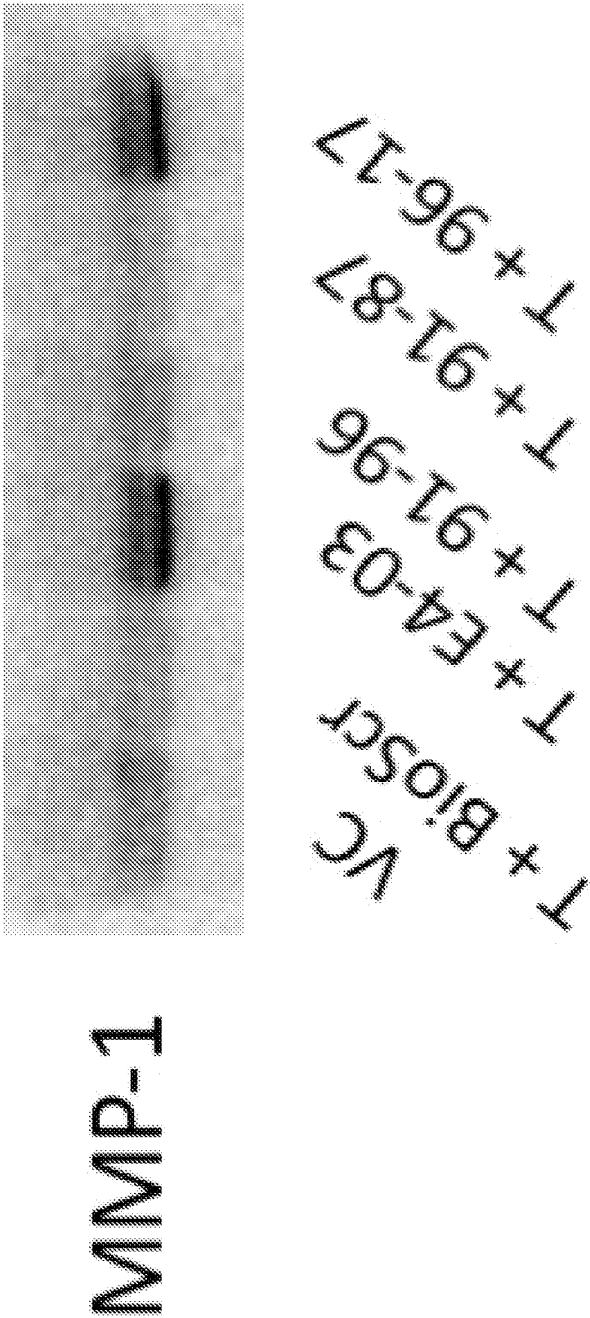


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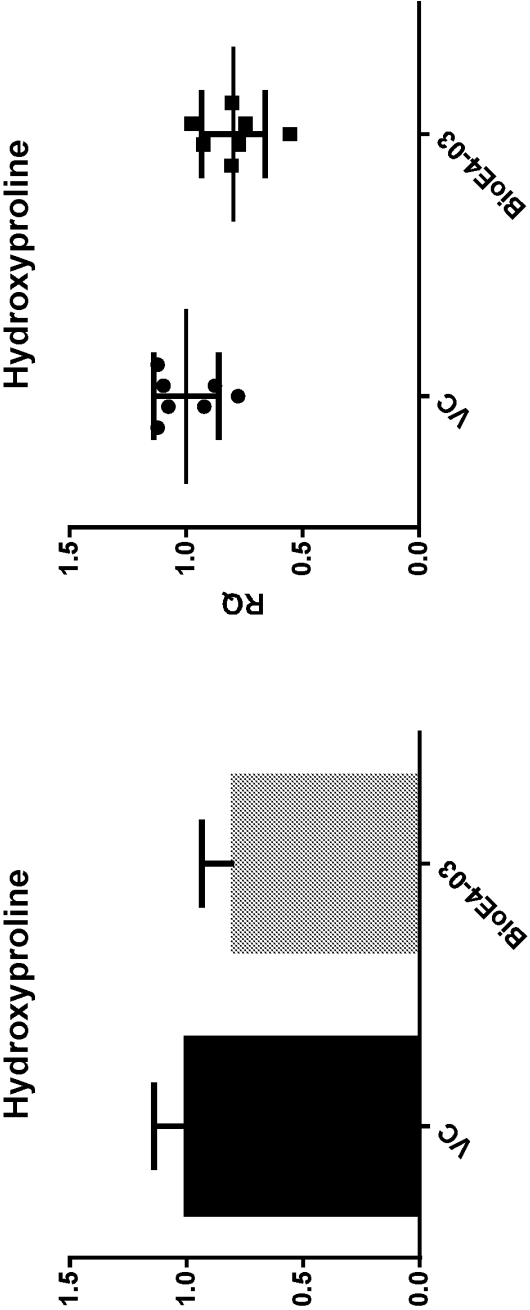


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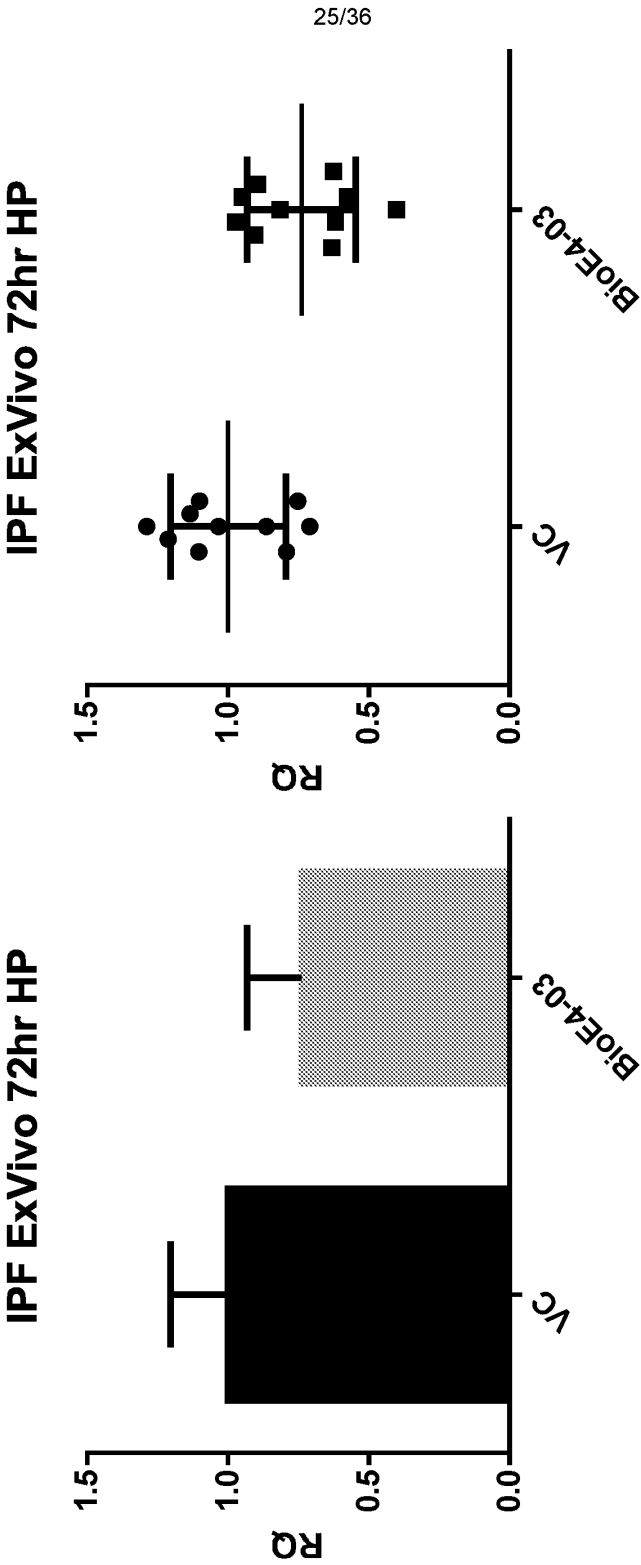


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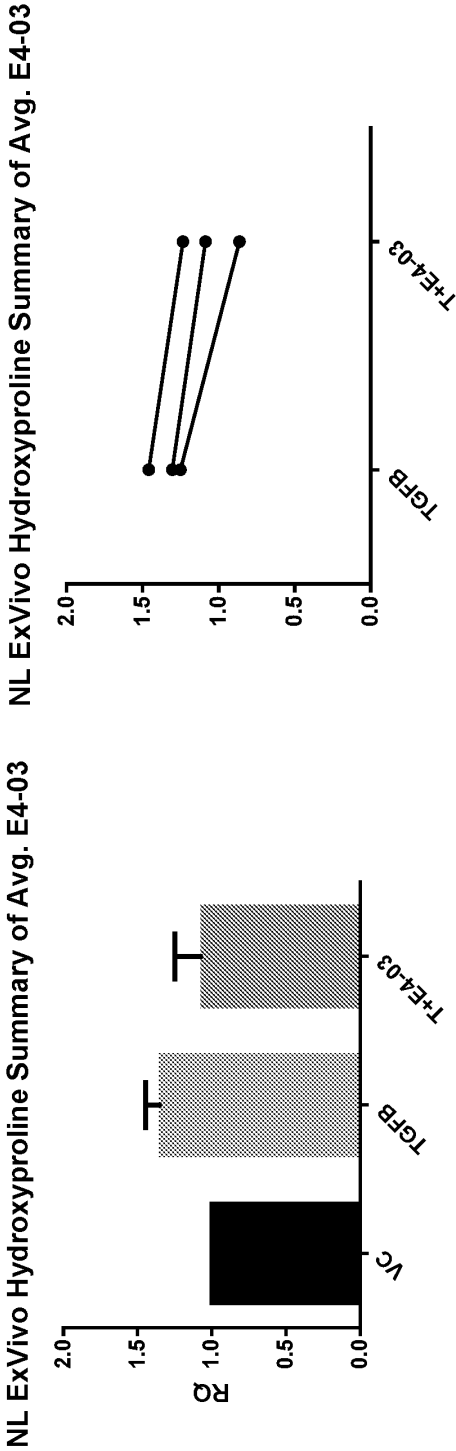


Figure 22

NL ExVivo Hydroxyproline Summary of Avg. 96-17

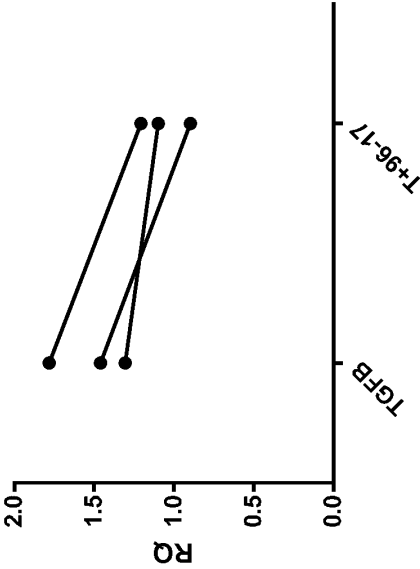
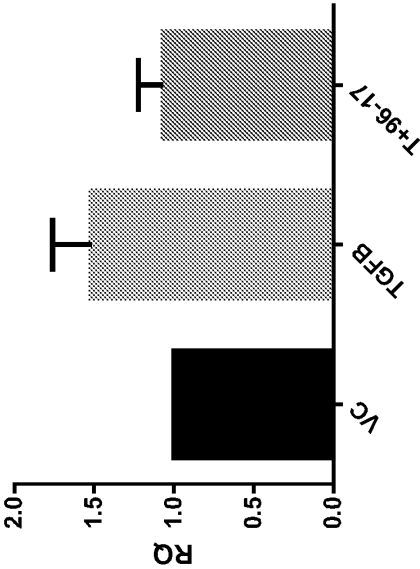


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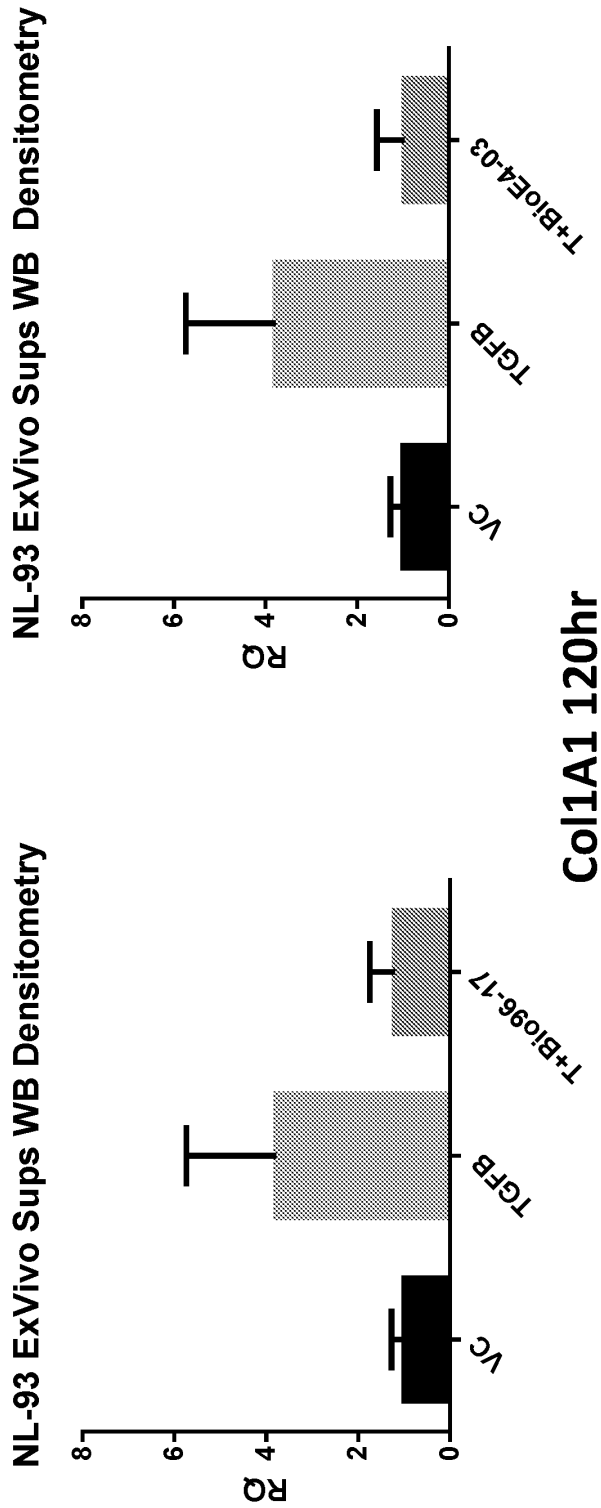


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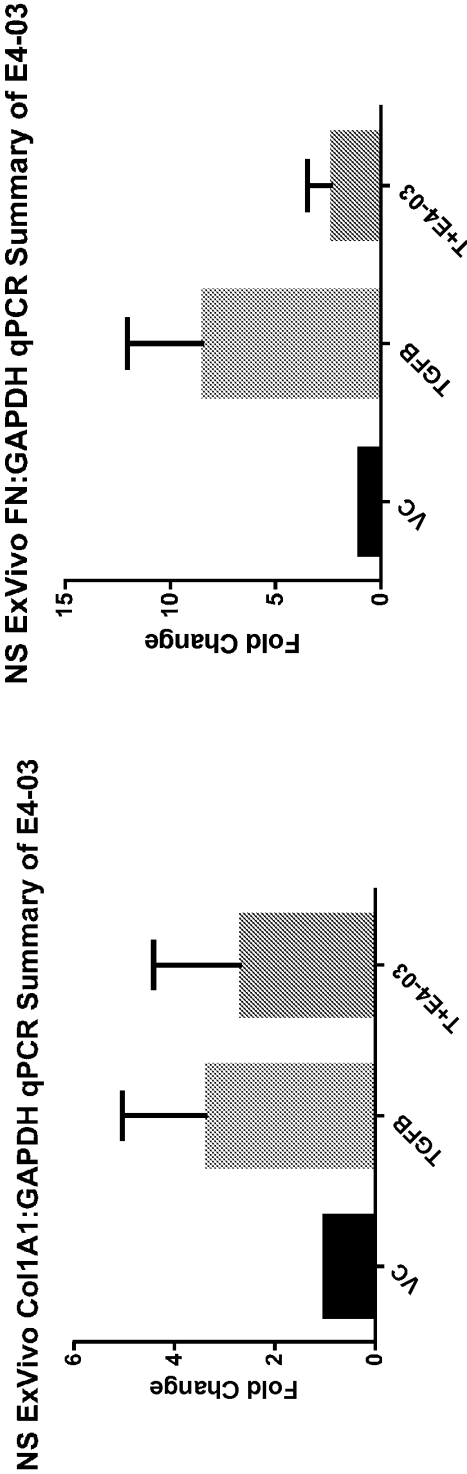


Figure 25

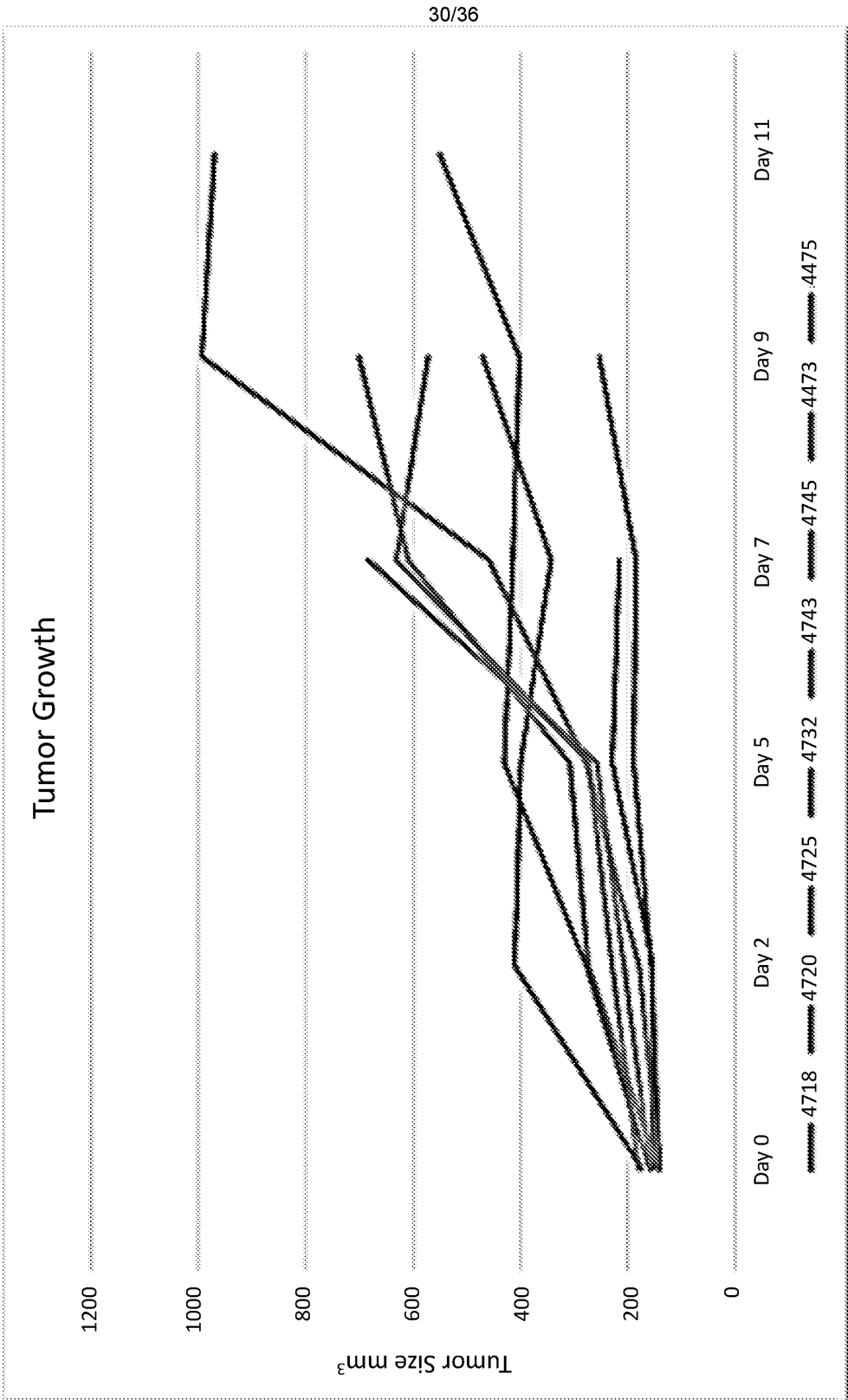


Figure 26

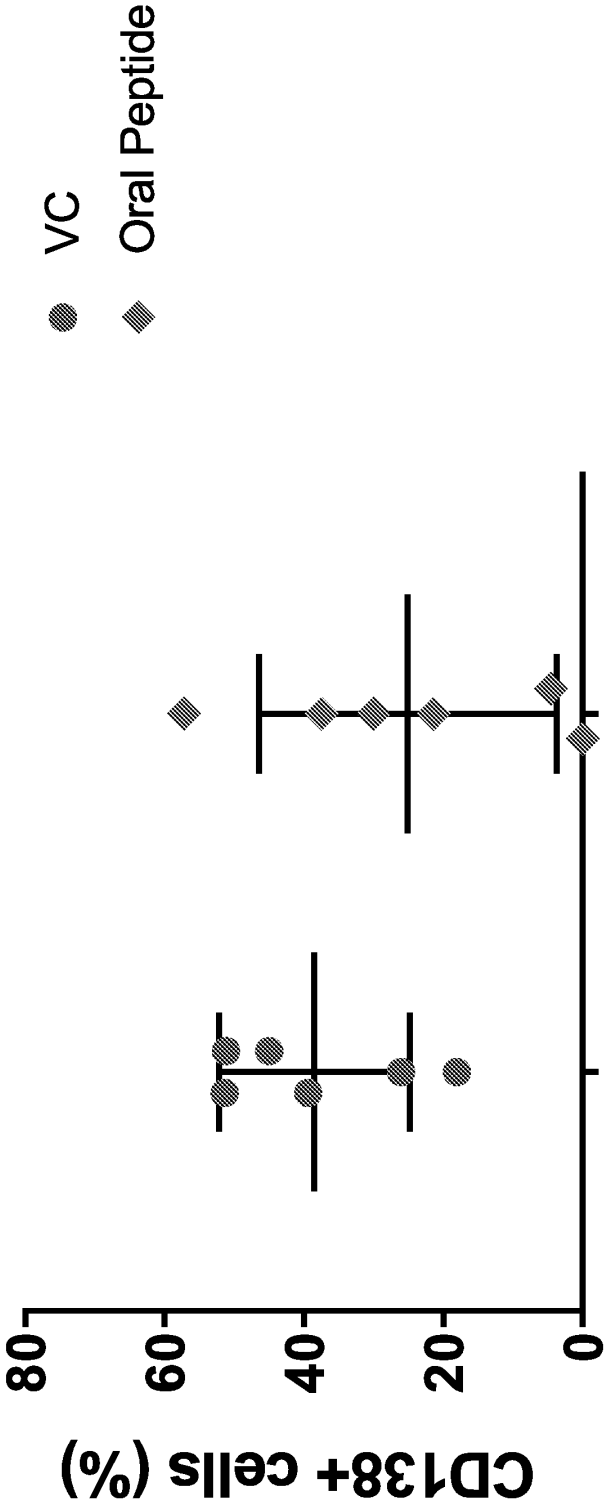


Figure 27

Figure 28A

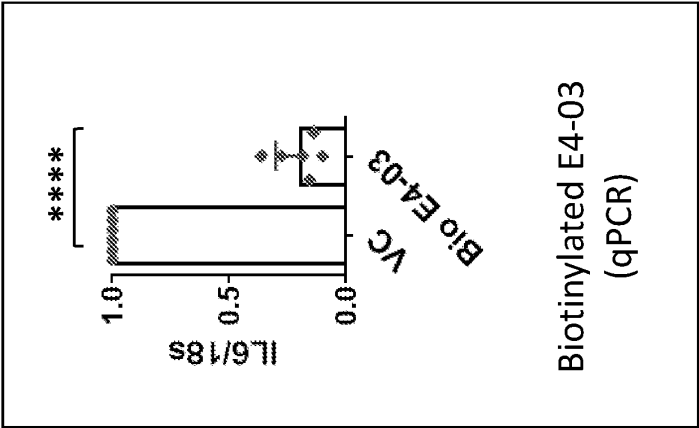


Figure 28B

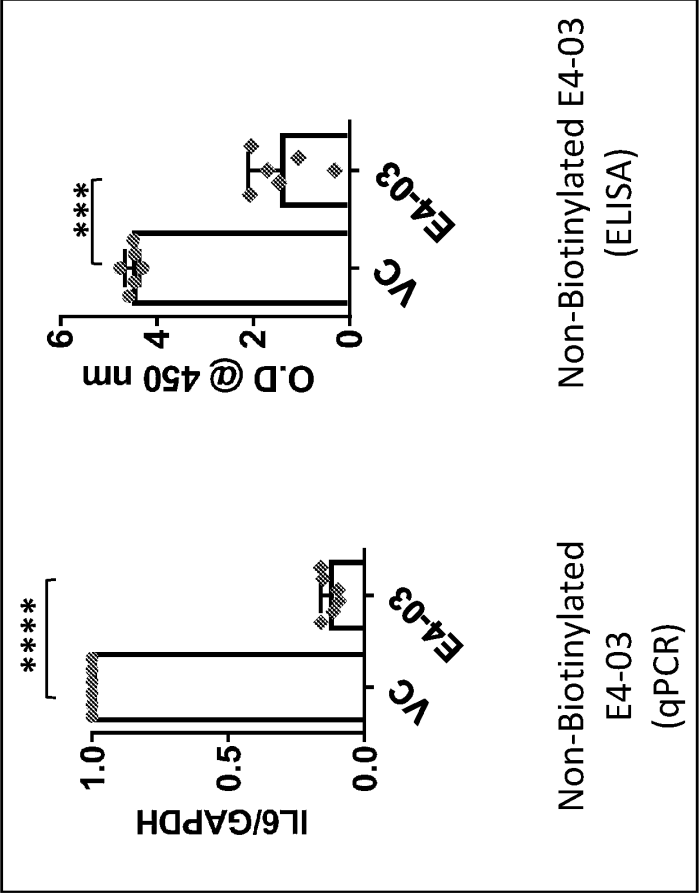


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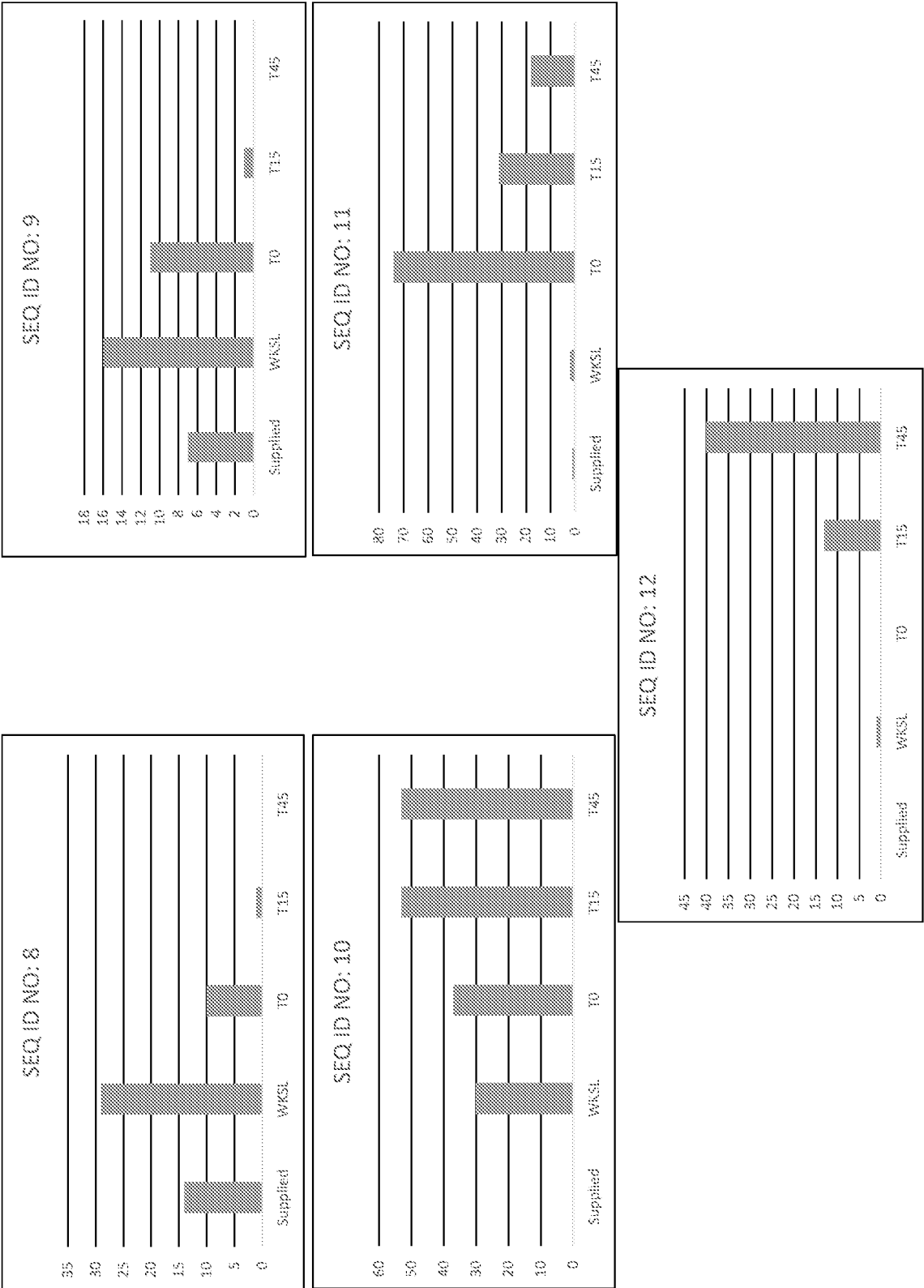
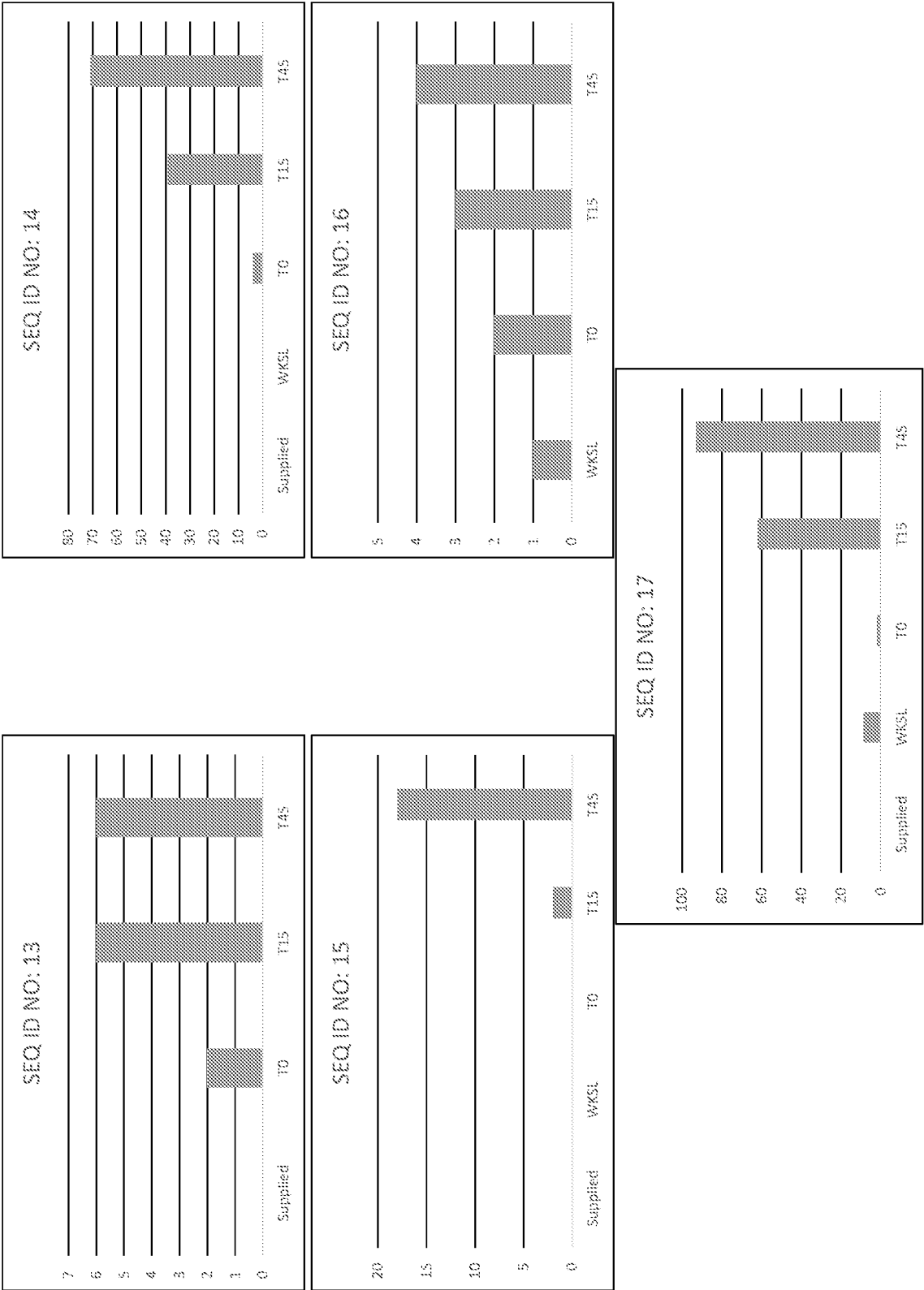
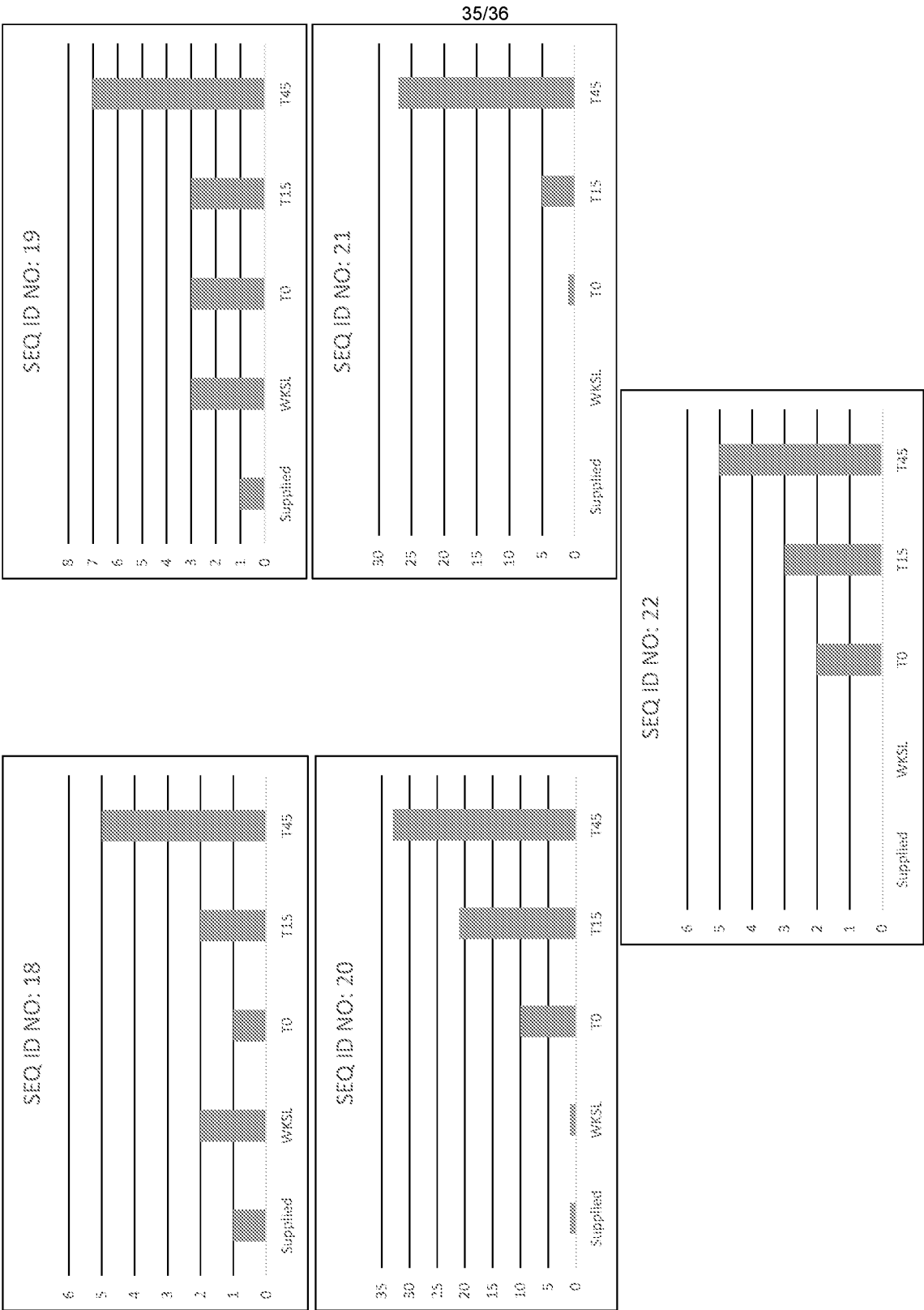


Figure 29





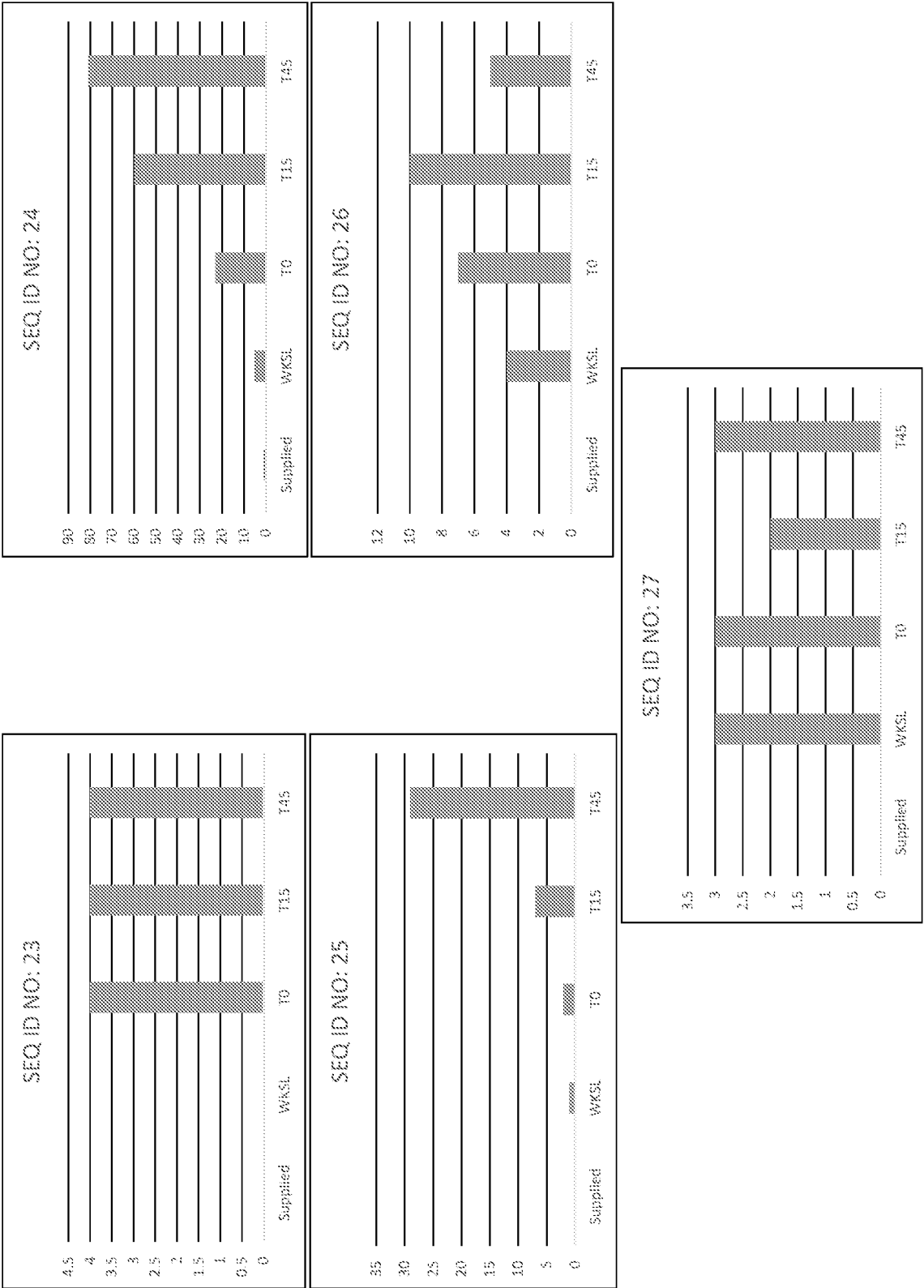


Figure 29 (cont.)