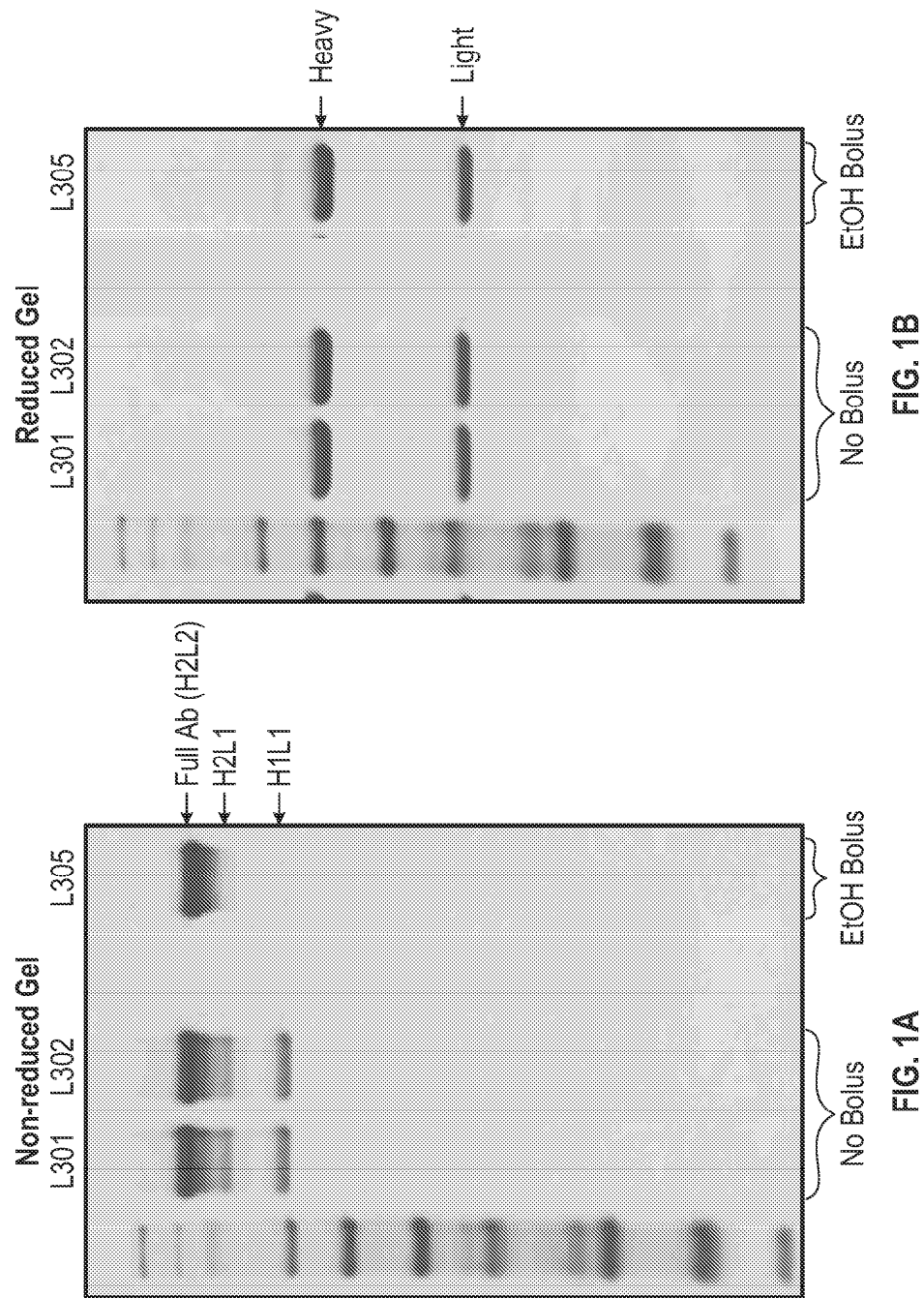


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L301 No Bolus

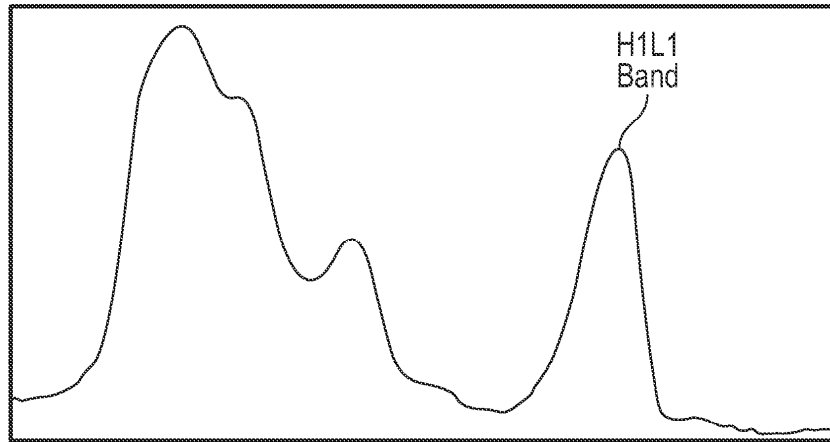


FIG. 1C

L302 No Bolus

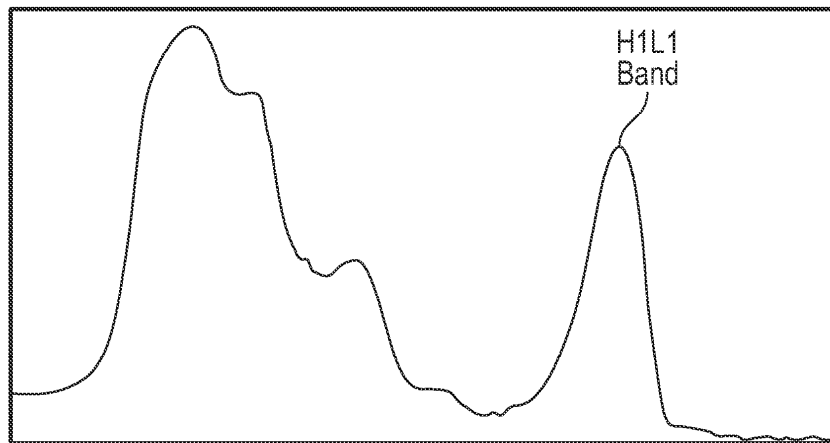


FIG. 1D

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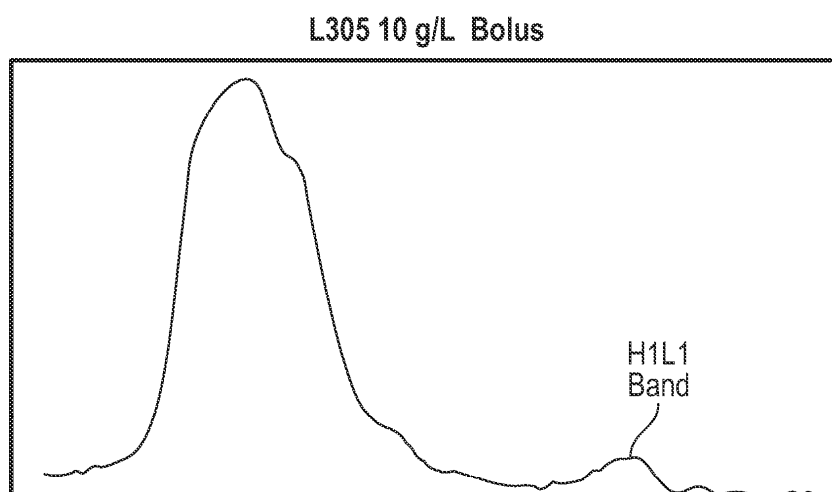


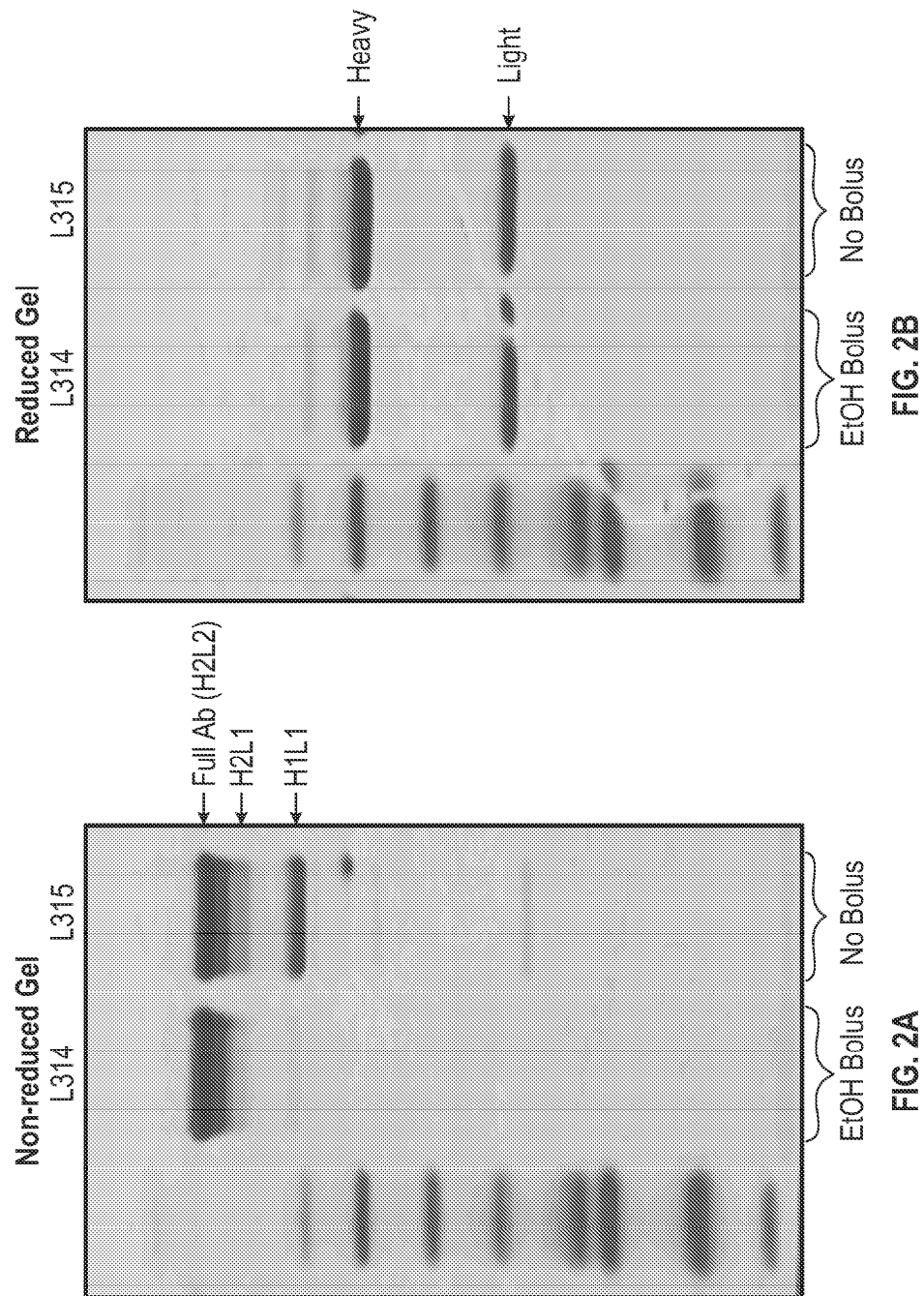
FIG. 1E

H1L1 Abundance

Run	Bolus	H1L1 Band
L301	None	8034
L302	None	7993
L305	10 g/L	798

FIG. 1F

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L315 No Bolus

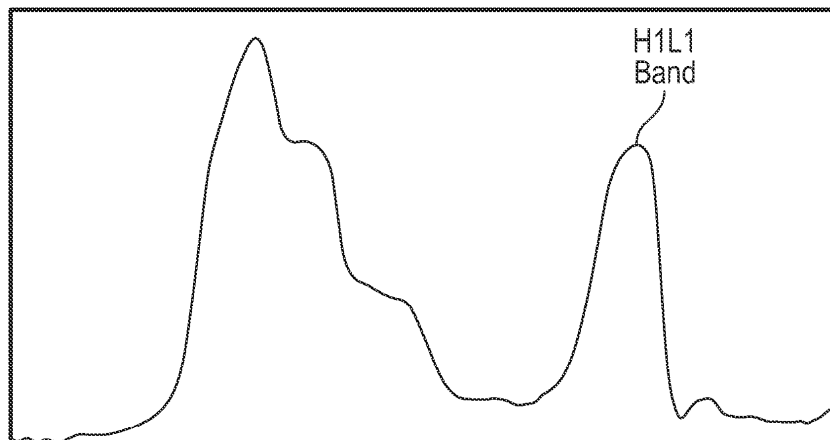


FIG. 2C

L314 10 g/L Bolus



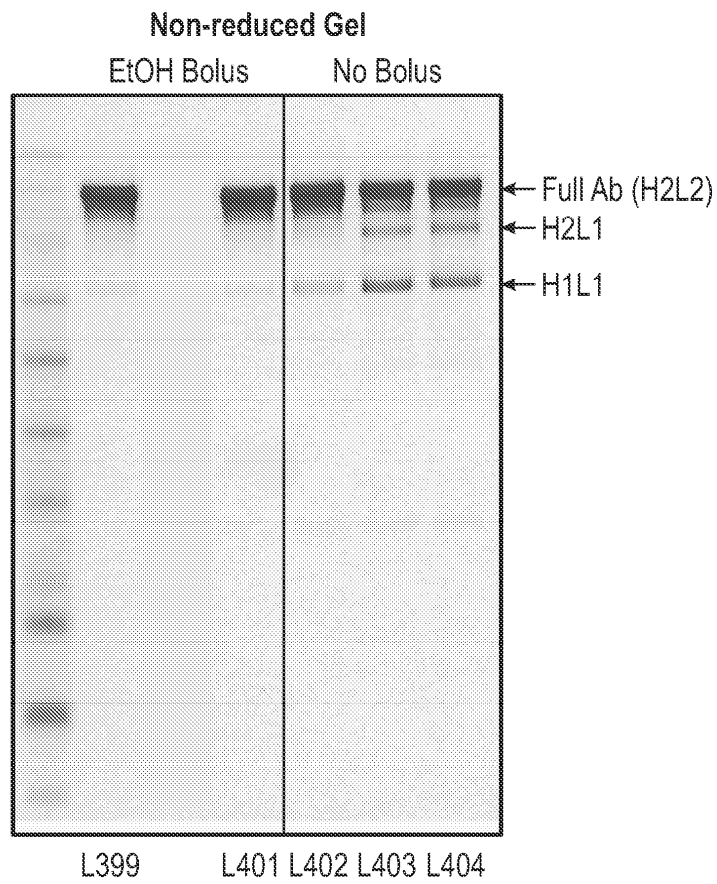
FIG. 2D

H1L1 Abundance

Run	Bolus	H1L1 Band
L314	10 g/L	9417
L315	None	1371

FIG. 2E

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**FIG. 3A****H1L1 Abundance**

Run	Time Point	Ethanol Bolus	H1L1 Band
L399	T86	10 g/L	917
L401	T86	10 g/L	647
L402	T86	None	3089
L403	T86	None	7597
L404	T86	None	7574

FIG. 3B

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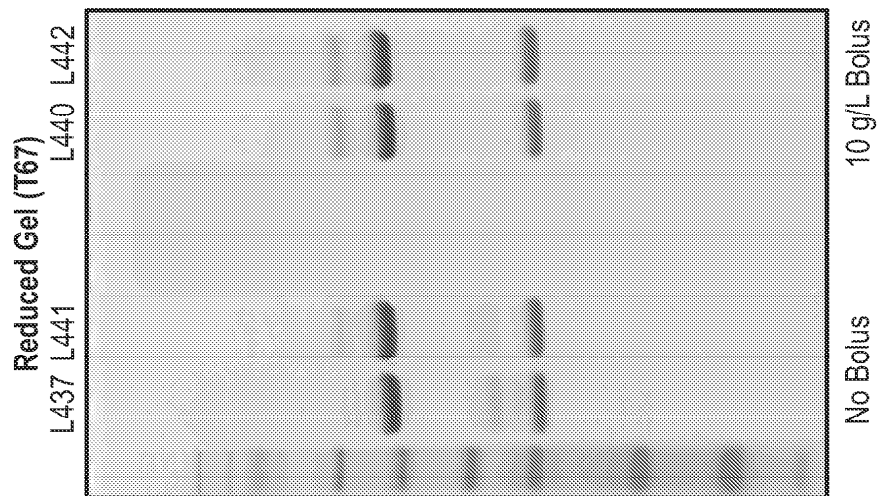


FIG. 4B

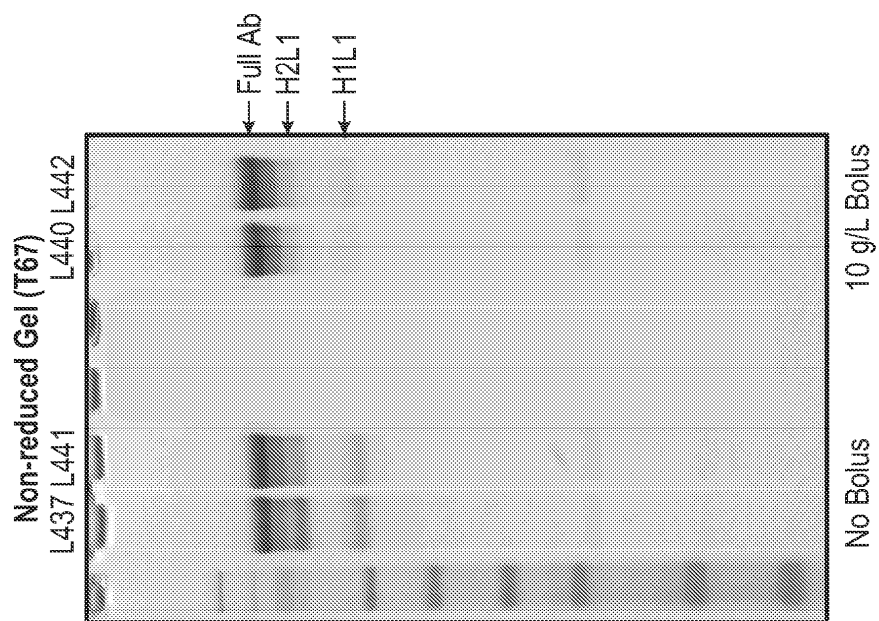


FIG. 4A

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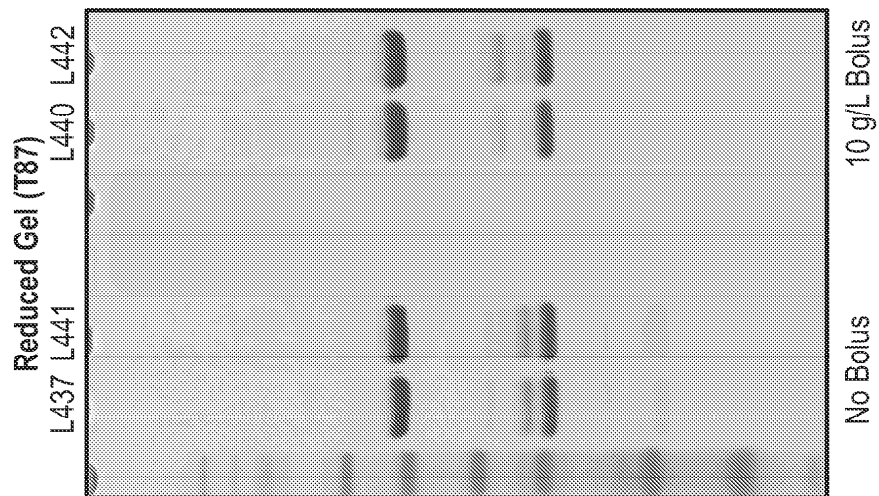


FIG. 4D

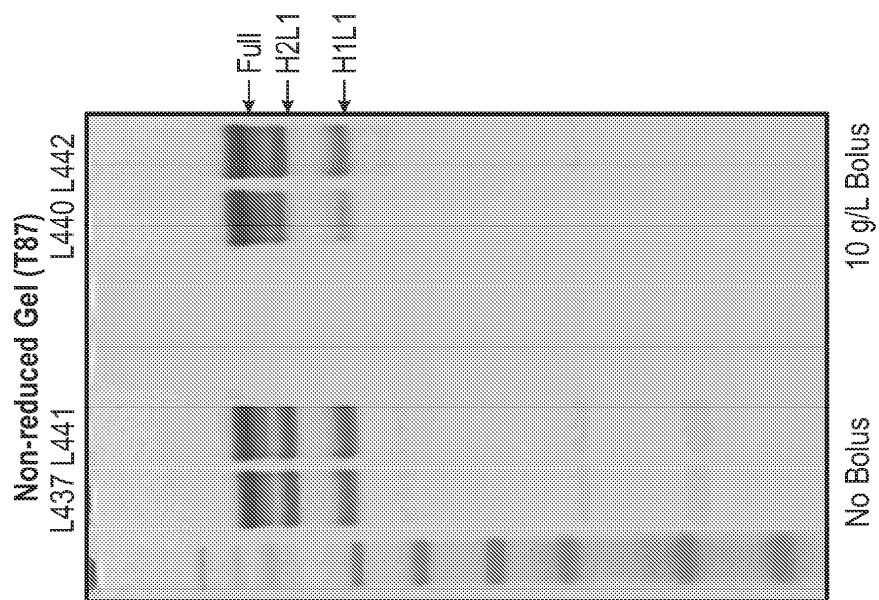


FIG. 4C

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H1L1 Abundance (T67)

Run	Time Point	Ethanol Bolus	H1L1 Band
L437	T67	None	9427
L441	T67	None	7283
L440	T67	10 g/L	1220
L442	T67	10 g/L	3269

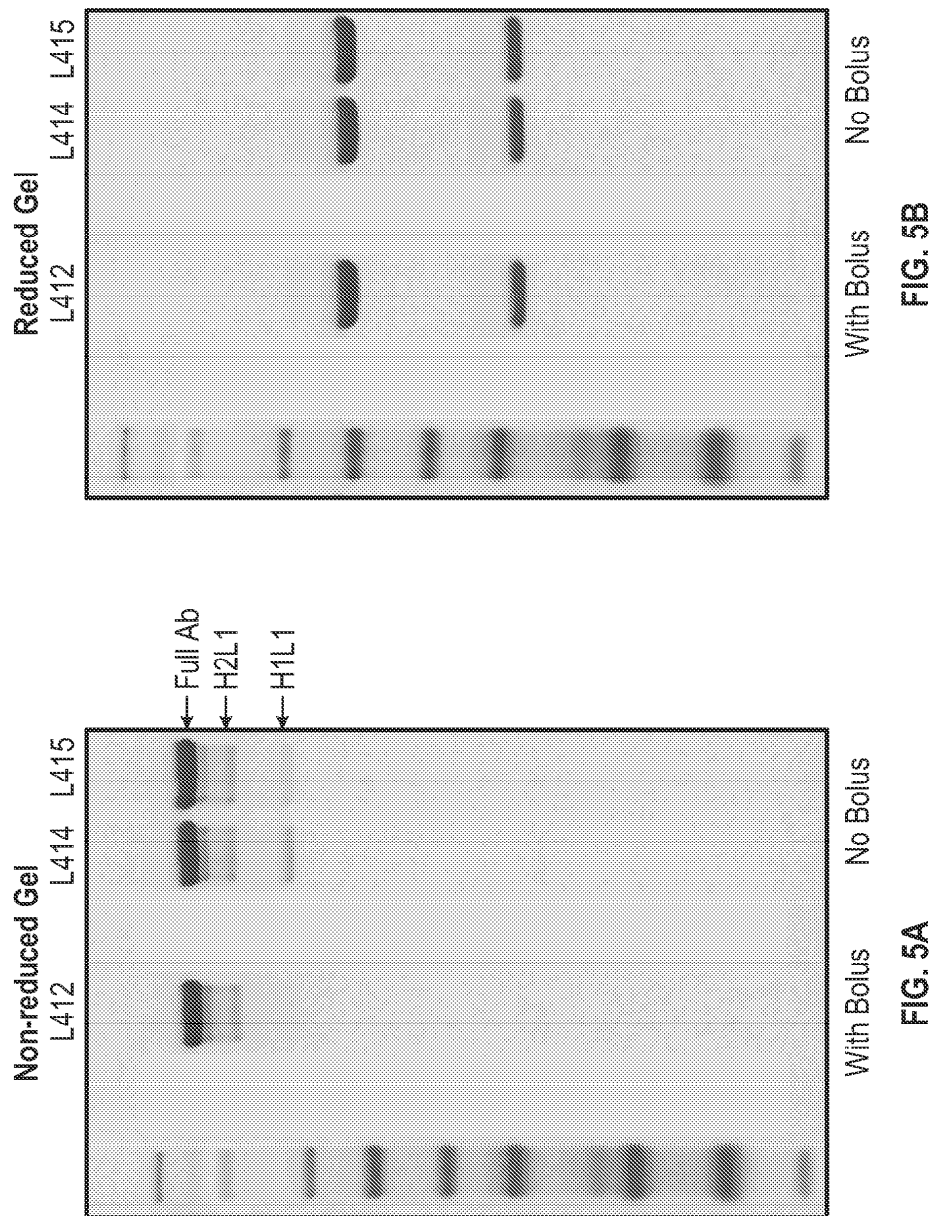
FIG. 4E

H1L1 Abundance (T87)

Run	Time Point	Ethanol Bolus	H1L1Band
L437	T86	None	10360
L441	T86	None	12022
L440	T86	10 g/L	6140
L442	T86	10 g/L	8726

FIG. 4F

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H1L1 Abundance

Run	Time Point	Ethanol Bolus	H1L1 Band
L412	T86	10 g/L	1177
L414	T86	None	3770
L415	T86	None	2219

FIG. 5C

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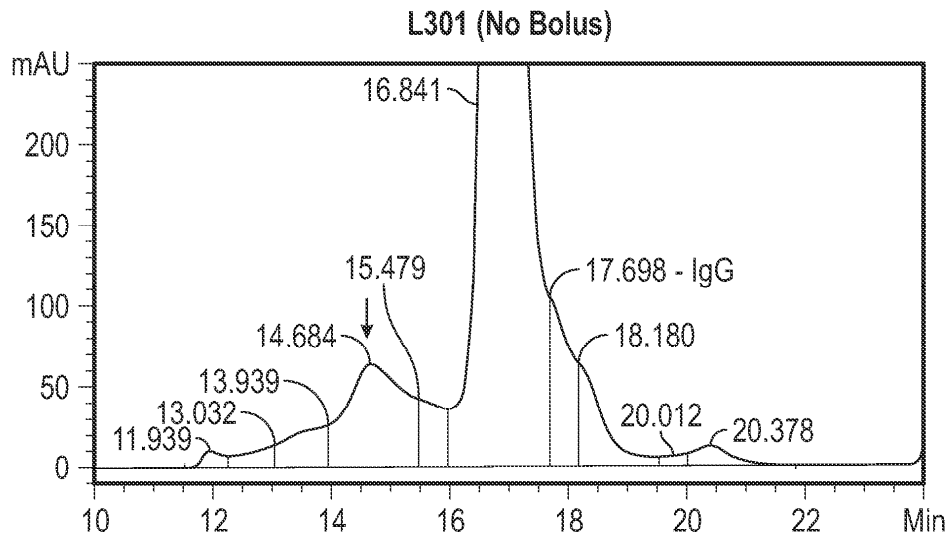


FIG. 6A

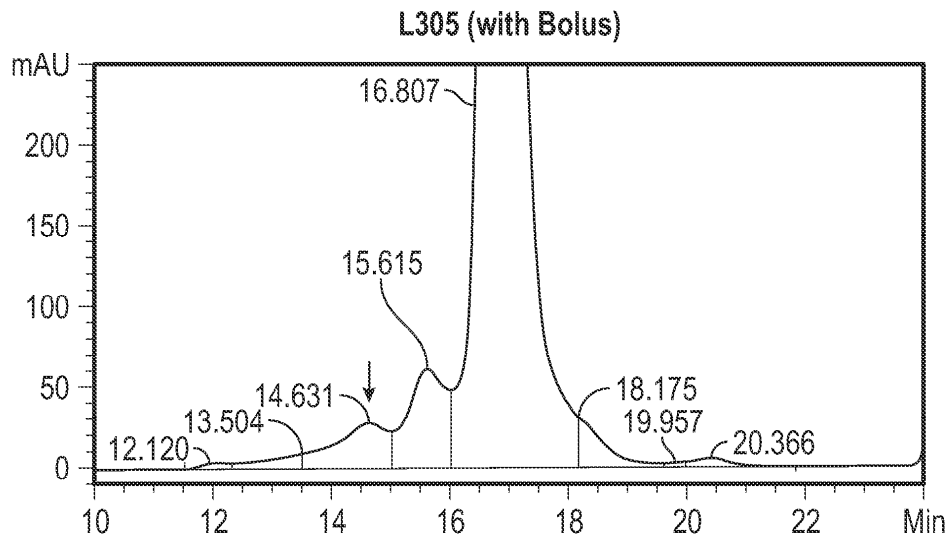


FIG. 6B

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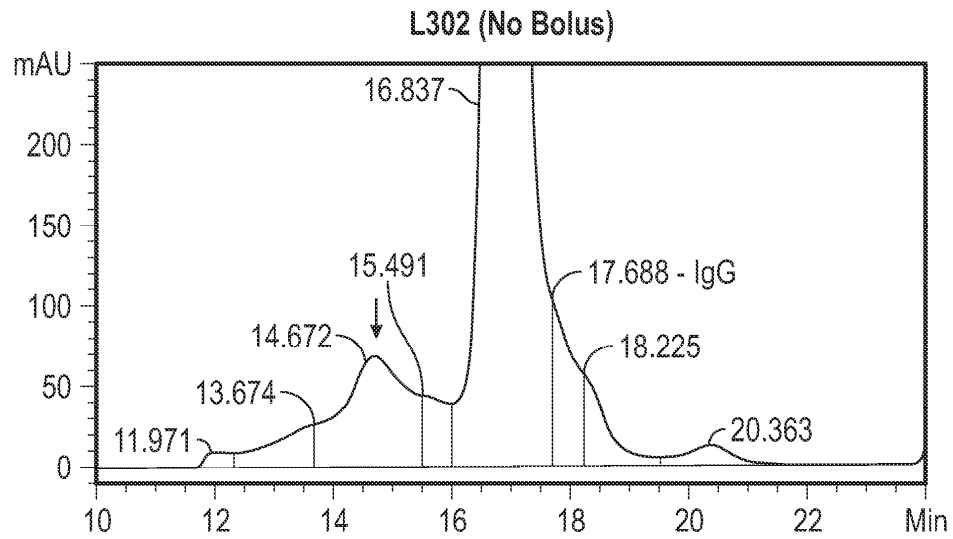


FIG. 6C

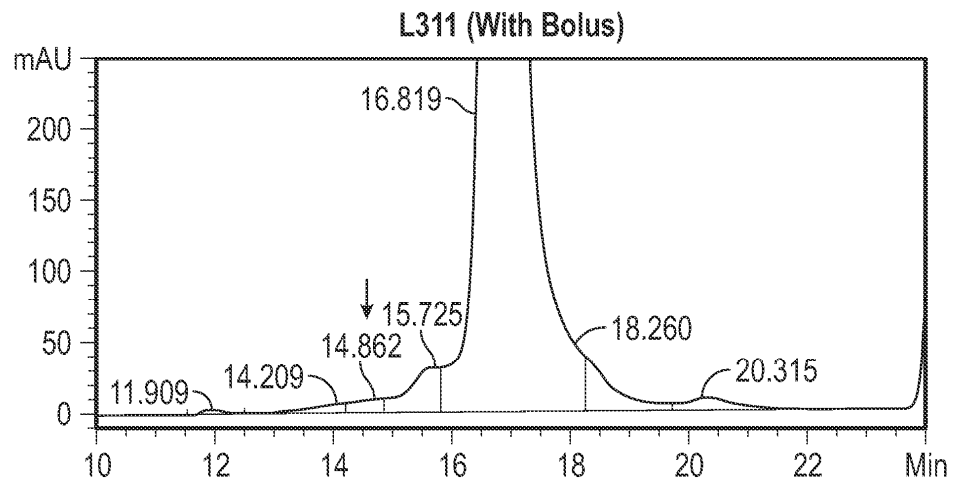


FIG. 6D

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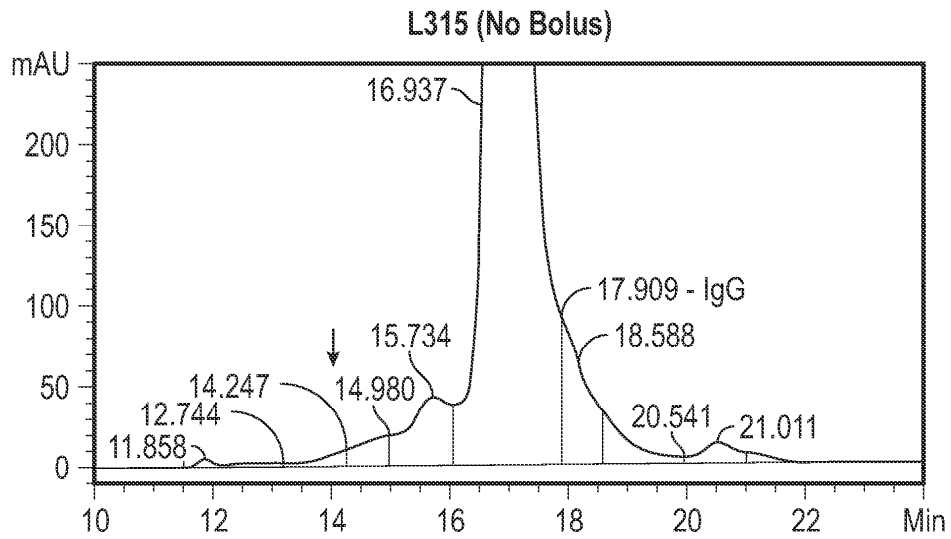


FIG. 6E

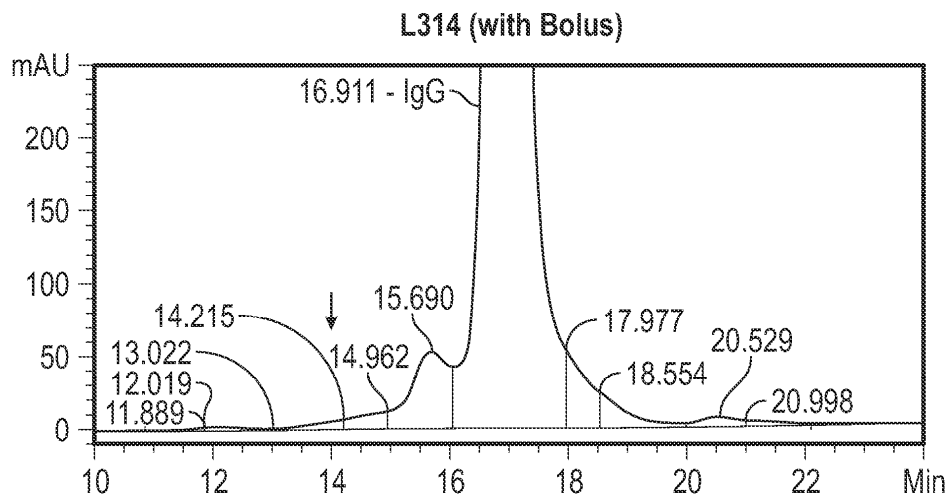


FIG. 6F

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Run Number	Run Set	Ethanol Bolus	Sampled Elapsed Fermentation Time	SEC Main Peak % (Desired Antibody)
L301	1	None	T97	78%
L302	1	None	T97	79%
L305	1	10 g/L	T97	90%
L311	2	10 g/L	T97	94%
L315	3	None	T87	87%
L314	3	10 g/L	T87	91%
L399	4	10 g/L	T86	91%
L401	4	10 g/L	T86	87%
L402	4	None	T86	93%
L403	4	None	T86	74%
L404	4	None	T86	71%

FIG. 7

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Run Number	Ethanol Bolus	Sampled Elapsed Fermentation Time	SEC Main Peak % (Desired Antibody)
L437	None	T67	71%
L441	None	T67	81%
L440	10 g/L	T67	80%
L442	10 g/L	T67	80%
L437	None	T87	59%
L441	None	T87	61%
L440	10 g/L	T87	77%
L442	10 g/L	T87	68%

FIG. 8

Run Number	Ethanol Bolus	Sampled Elapsed Fermentation Time	SEC Main Peak % (Desired Antibody)
L412	10 g/L	T85	89%
L414	None	T85	88%
L415	None	T85	89%

FIG. 9

Observed H1L1 Band	Relative Half Antibody (T17H Peptide) Percentage
+	2.3%
++++	26.1%

FIG. 10

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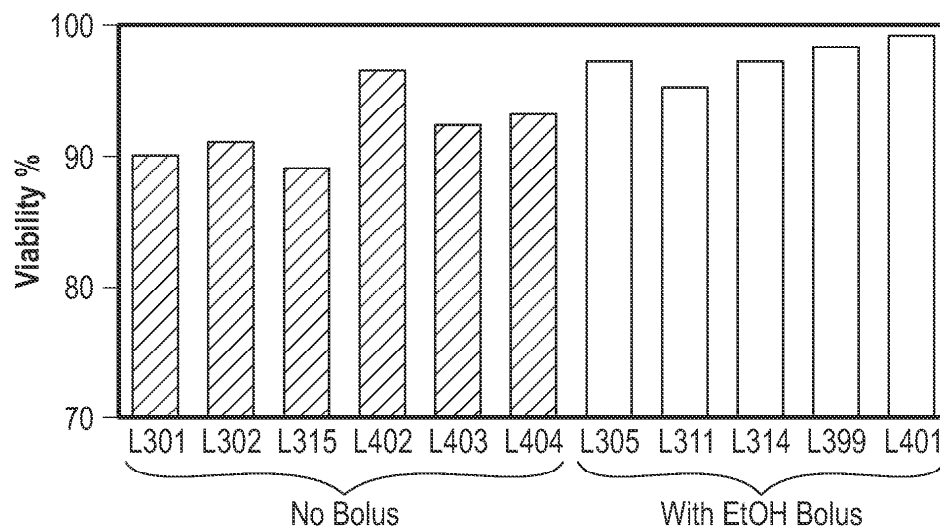


FIG. 11

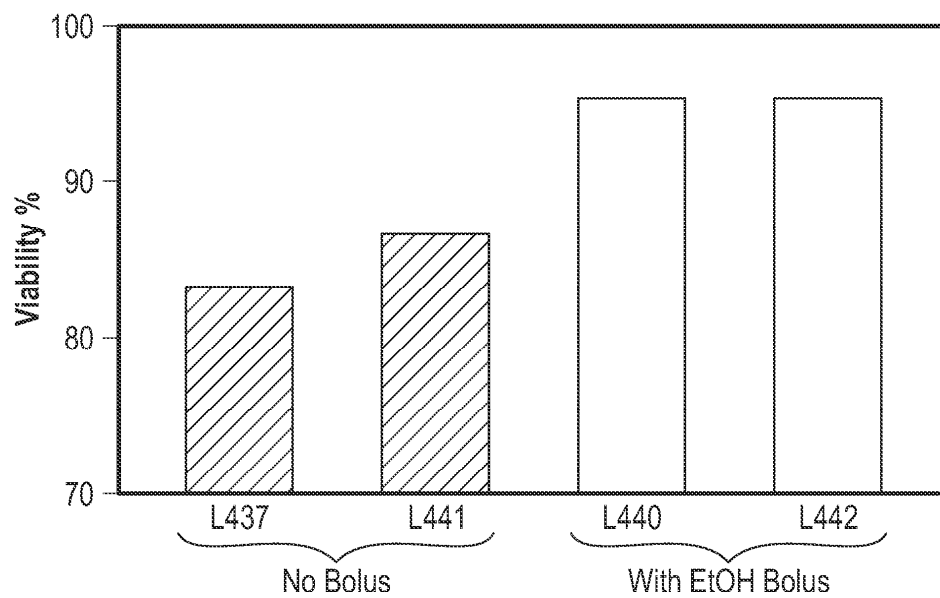


FIG. 12

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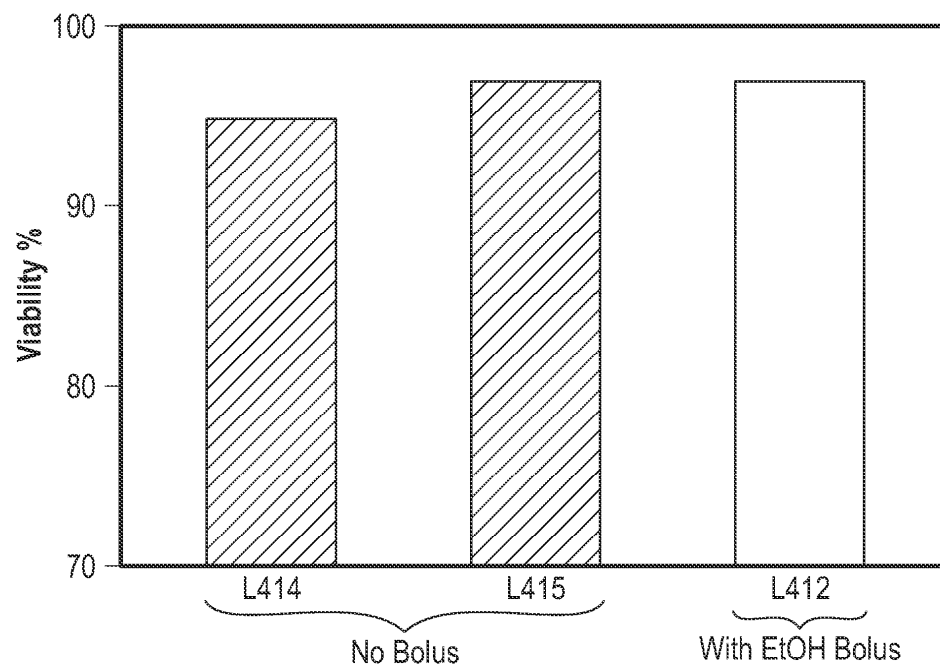
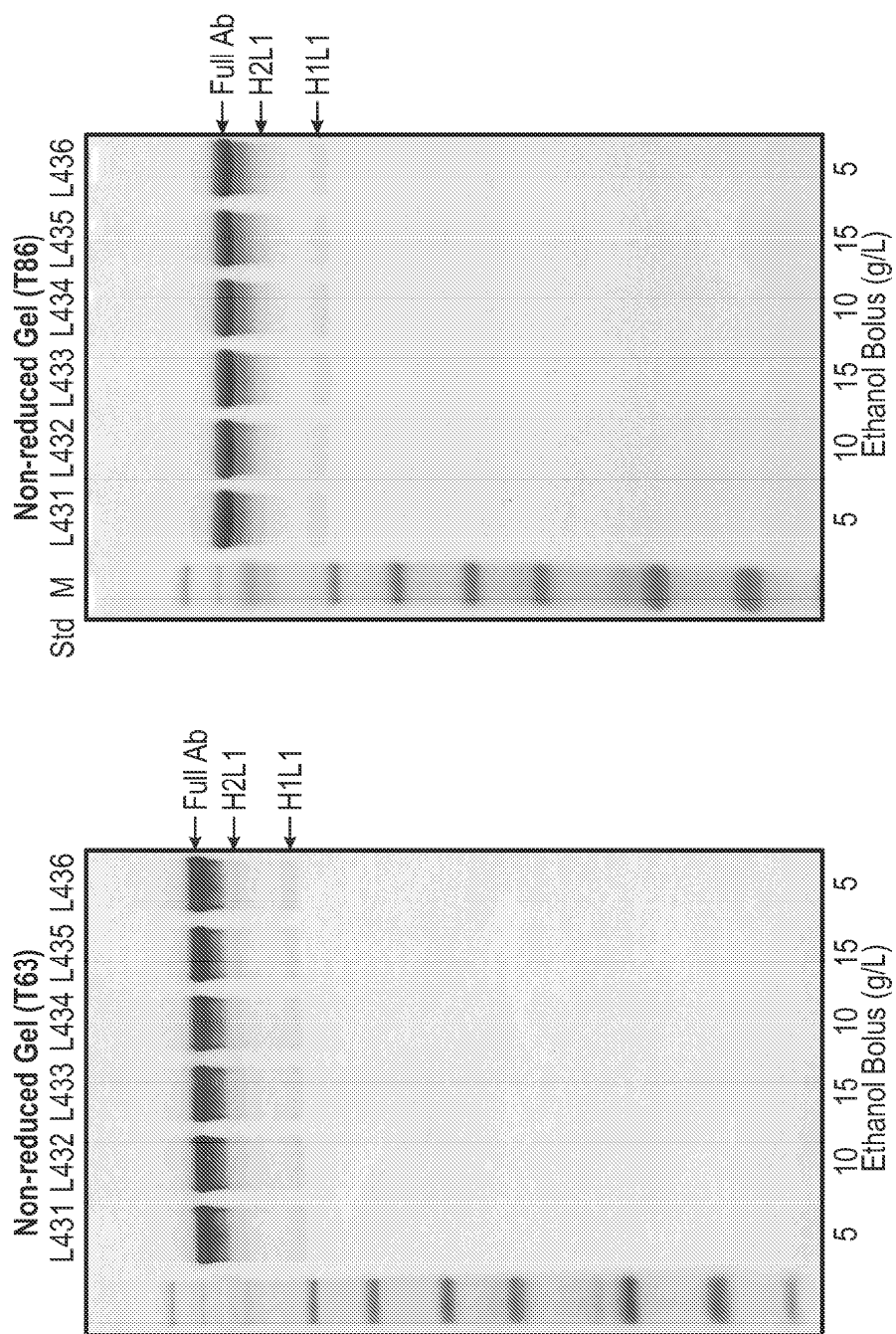


FIG. 13

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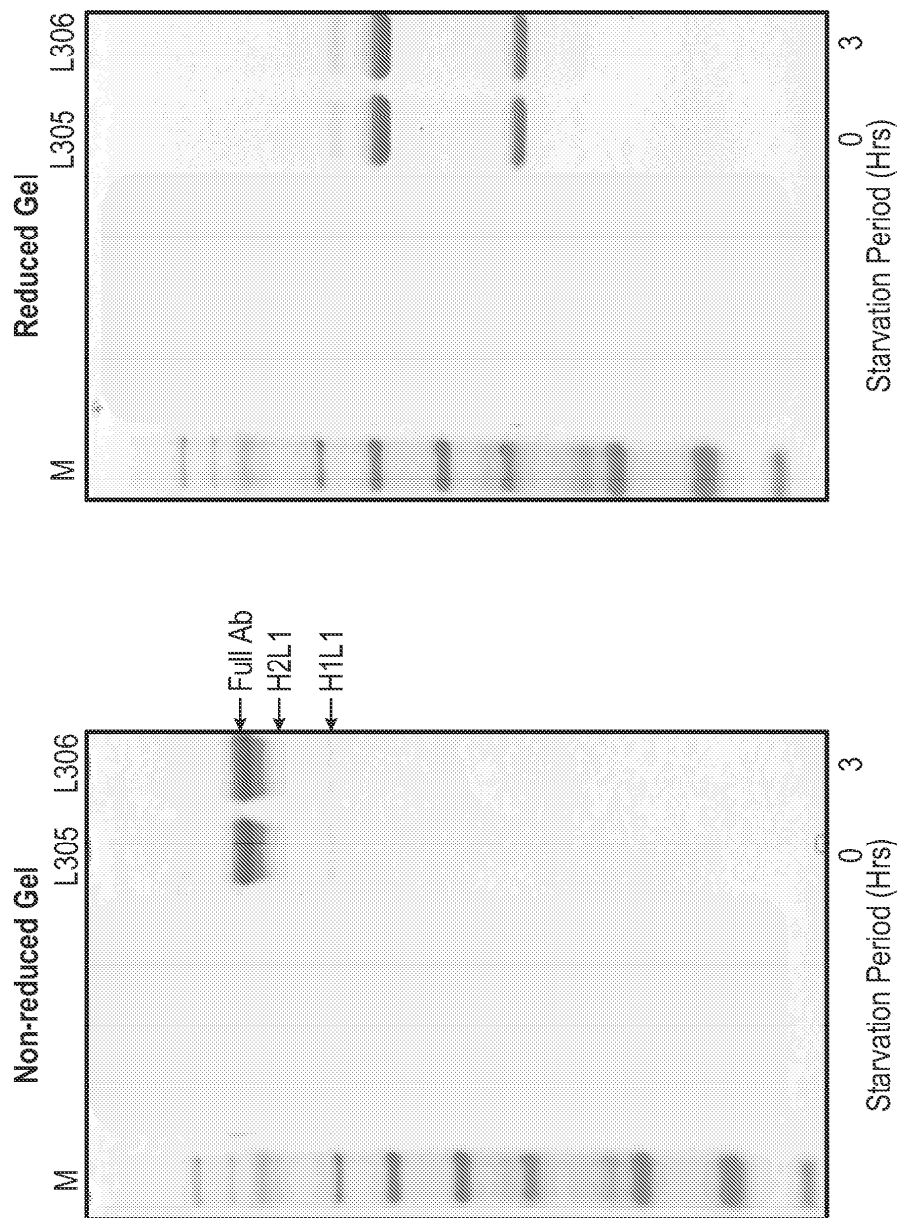


FIG. 15B

FIG. 15A

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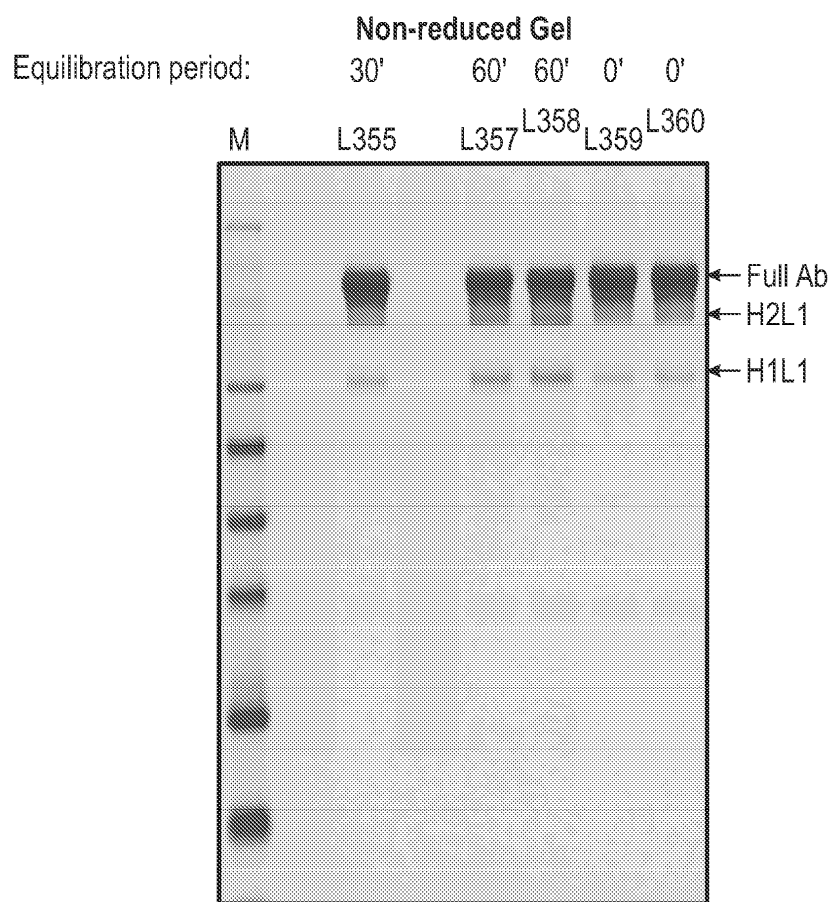
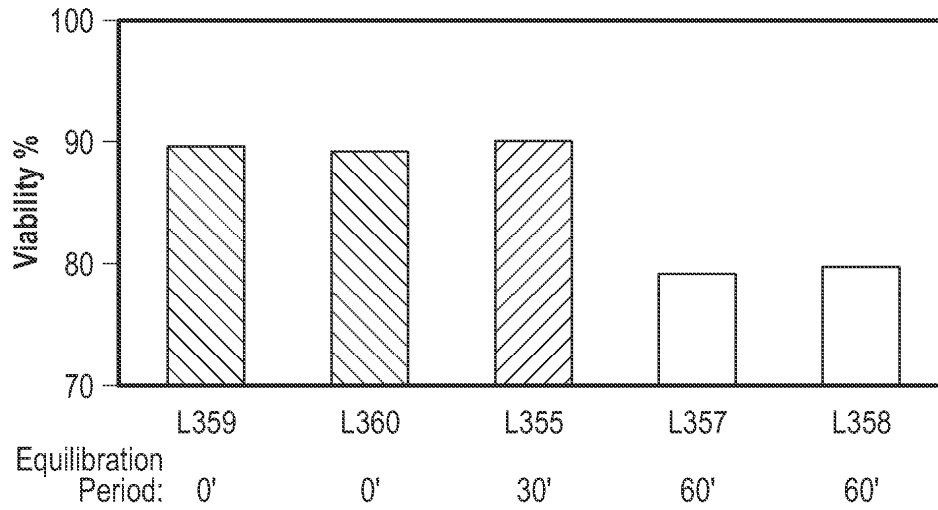
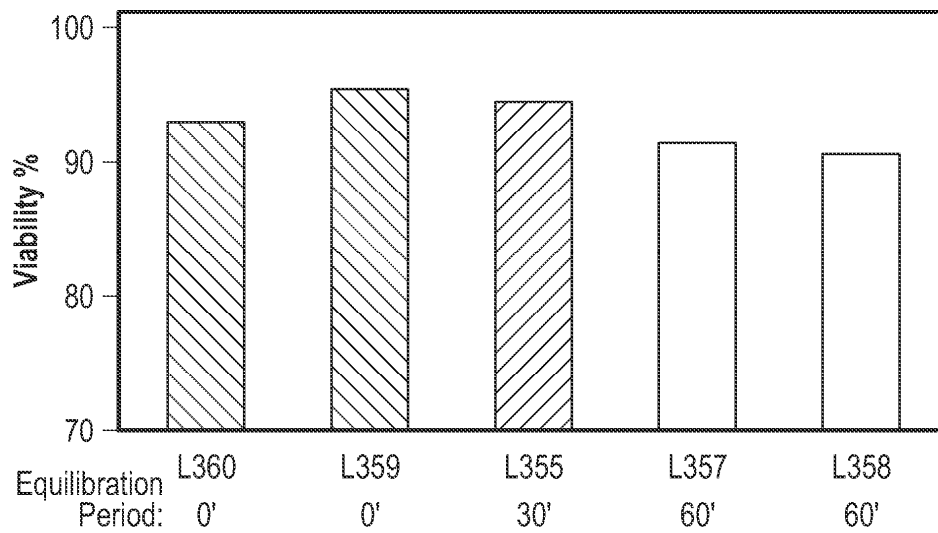


FIG. 16A

22/22**Viability at 23 Hours****FIG. 16B****Viability at 85 Hours****FIG. 16C**