

R2 over 0.8.M4 (OPLS), OPLS PS titer
Normalized to unit length

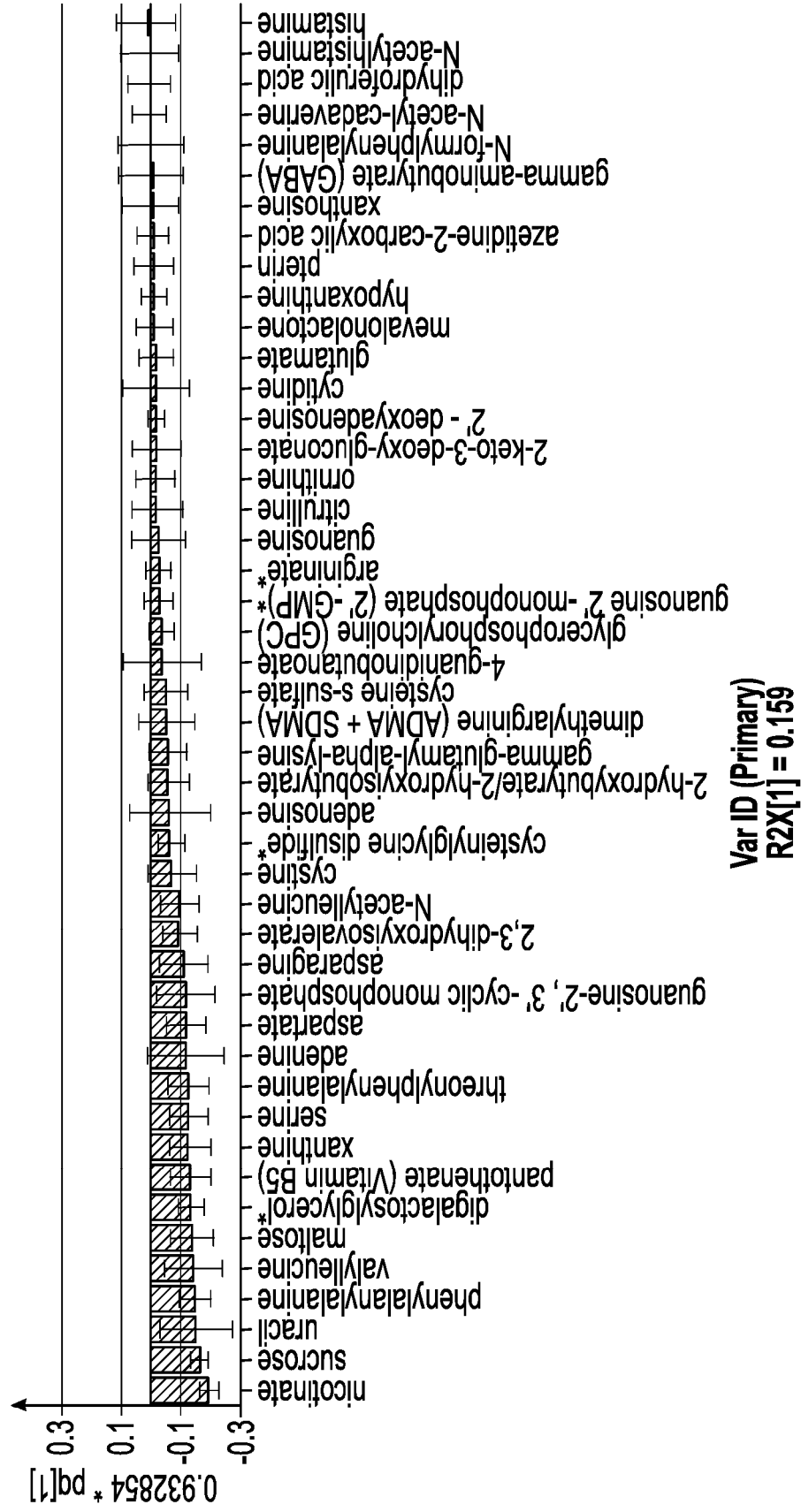
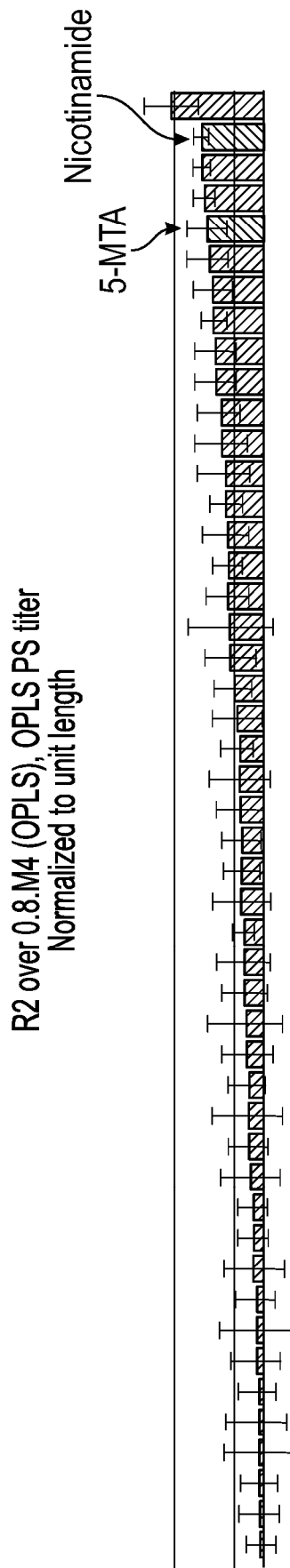


FIG. 1



Final Titer (PS)
nicotinamide
lactate
phenyllactate (PLA)
5-methylthioadenosine (MTA)
indolelactate
succinate
alpha-hydroxyisocaproate
3-(4-hydroxyphenyl)lactate (HPLA)
alpha-hydroxyisovalerate
2-hydroxy-3-methylvalerate
spermidine
isoleucine
galactosylglycerol*
agmatine
3-sulfo-L-alanine
gamma-glutamylglycine
pyridoxine (Vitamin B6)
fructose
glycylisoleucine
mevalonate
glycerate
N-formylmethionine
daldzin
glycerol 3-phosphate
phenethylamine
galactitol (dulcitol)
tyramine
mannitol/sorbitol
erythronate*
proline
glucose
allantoic acid
dihydroorotate
guanine
shikimate
alpha-ketoglutarate
trimethylamine N-oxide
mannose
1-carboxyethylvaline
phosphate
1-carboxyethylisoleucine
1-carboxyethyltyrosine
glutamine
N-acetylputrescine
1-carboxyethylphenylalanine
1-carboxyethylleucine
fumarate

Var ID (Primary)
R2X[1] = 0.159

FIG. 1
(Continued)

FIG. 2

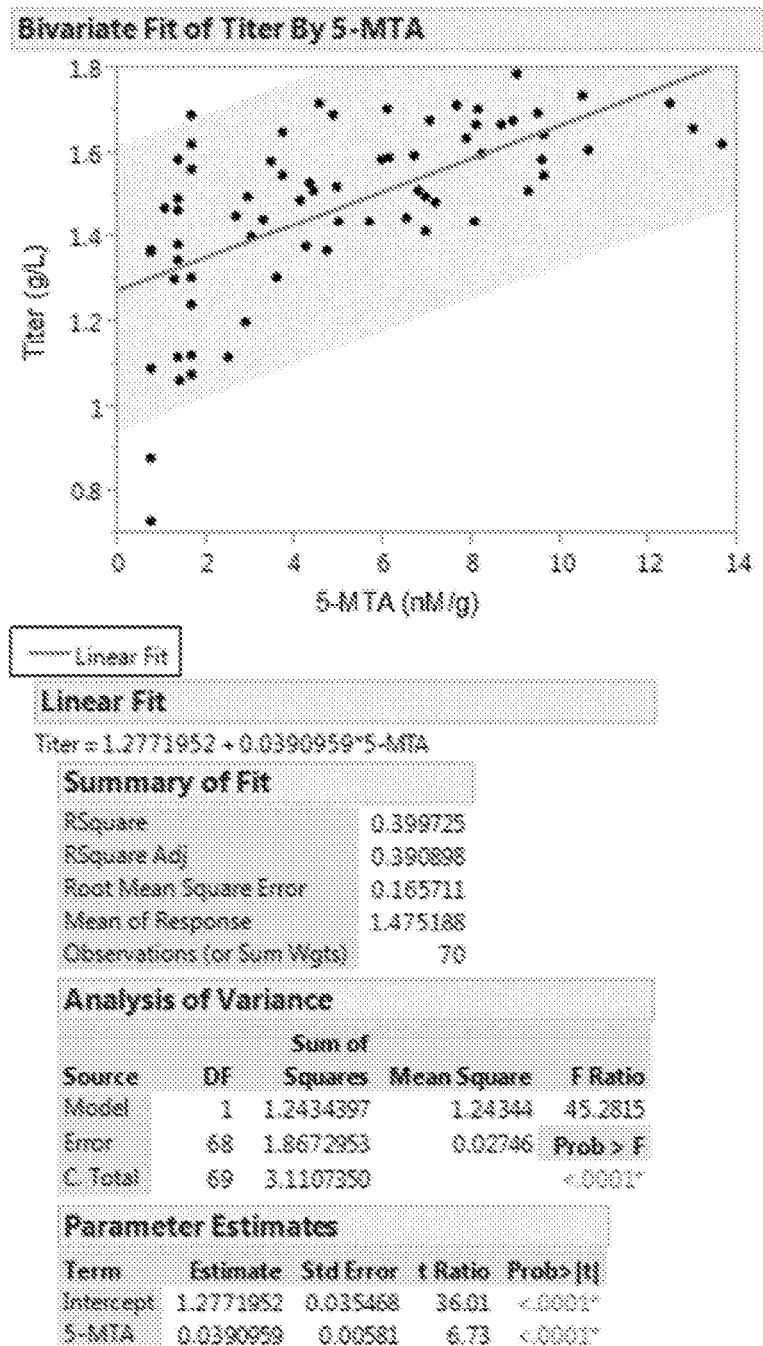
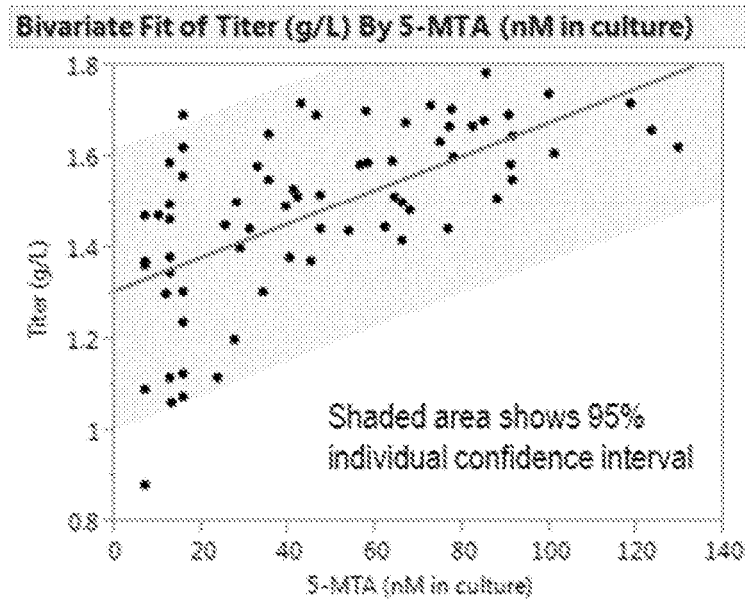


FIG. 3



Linear Fit

Linear Fit

$$\text{Titer (g/L)} = 1.3077581 + 0.0037002 \times \text{5-MTA (nM in culture)}$$

Summary of Fit

RSquare	0.394711
RSquare Adj	0.38581
Root Mean Square Error	0.150563
Mean of Response	1.485777
Observations (or Sum Wgts)	70

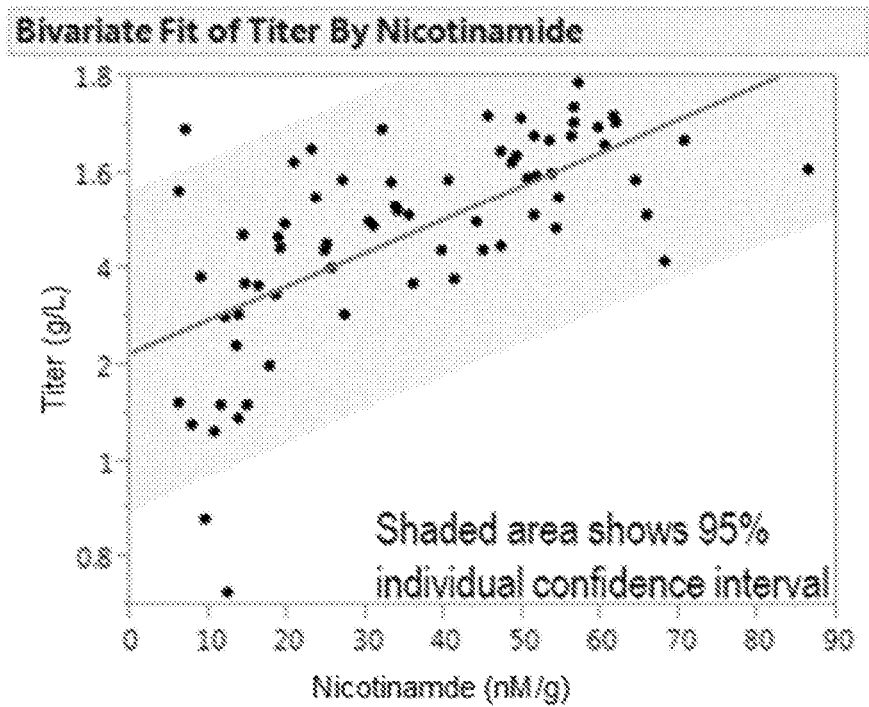
Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	1	1.0052217	1.00522	44.3430
Error	68	1.5415075	0.02267	Prob > F
C. Total	69	2.5467291		<.0001*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	1.3077581	0.032226	40.58	<.0001*
5-MTA (nM in culture)	0.0037002	0.000556	6.66	<.0001*

FIG. 4



— Linear Fit

Linear Fit

$$\text{Titer} = 1.2274481 + 0.0069464 \times \text{Nicotinamide}$$

Summary of Fit

RSquare	0.419378
RSquare Adj	0.41084
Root Mean Square Error	0.162976
Mean of Response	1.475188
Observations (or Sum Wgts)	70

Analysis of Variance

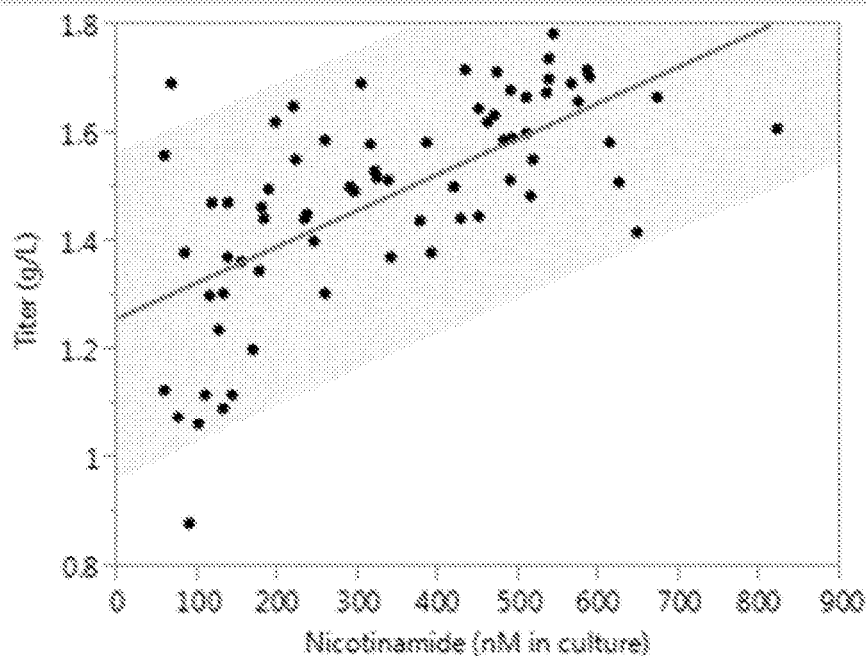
Source	DF	Sum of Squares	Mean Square	F Ratio
Model	1	1.3045745	1.30457	49.1158
Error	68	1.8061605	0.02656	Prob > F
C. Total	69	3.1107350		<.0001*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	1.2274481	0.040361	30.41	<.0001*
Nicotinamide	0.0069464	0.000991	7.01	<.0001*

FIG. 5

Bivariate Fit of Titer (g/L) By Nicotinamide (nM in culture)



— Linear Fit

Linear Fit

$$\text{Titer (g/L)} = 1.2607635 + 0.0006641 \cdot \text{Nicotinamide (nM in culture)}$$

Summary of Fit

RSquare	0.422585
RSquare Adj	0.414094
Root Mean Square Error	0.147055
Mean of Response	1.485777
Observations (or Sum Wgts)	70

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	1	1.0762104	1.07621	49.7663
Error	68	1.4705187	0.02163	Prob > F
C. Total	69	2.5467291		<.0001*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	1.2607635	0.036419	34.62	<.0001*
Nicotinamide (nM in culture)	0.0006641	9.414e-5	7.05	<.0001*