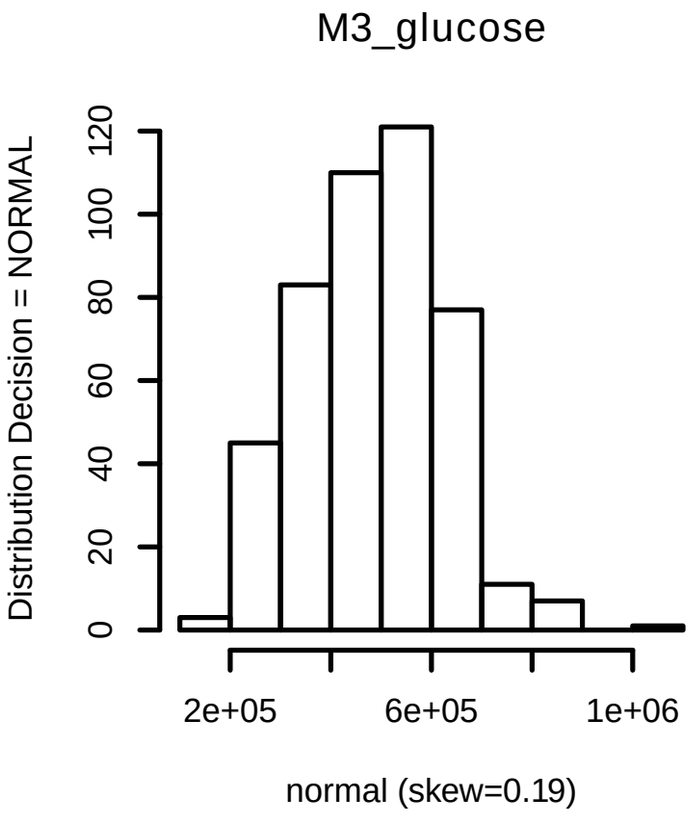
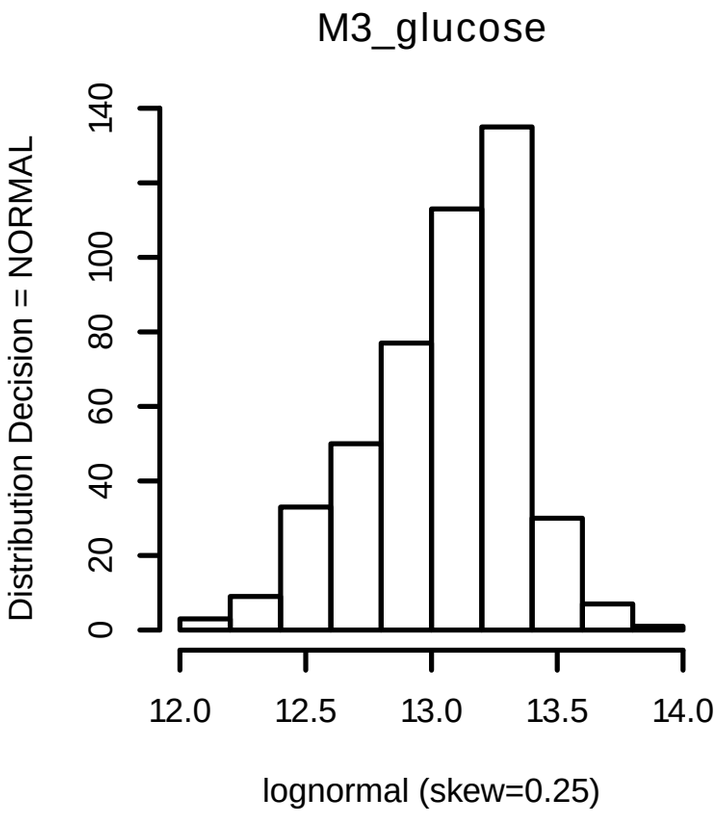
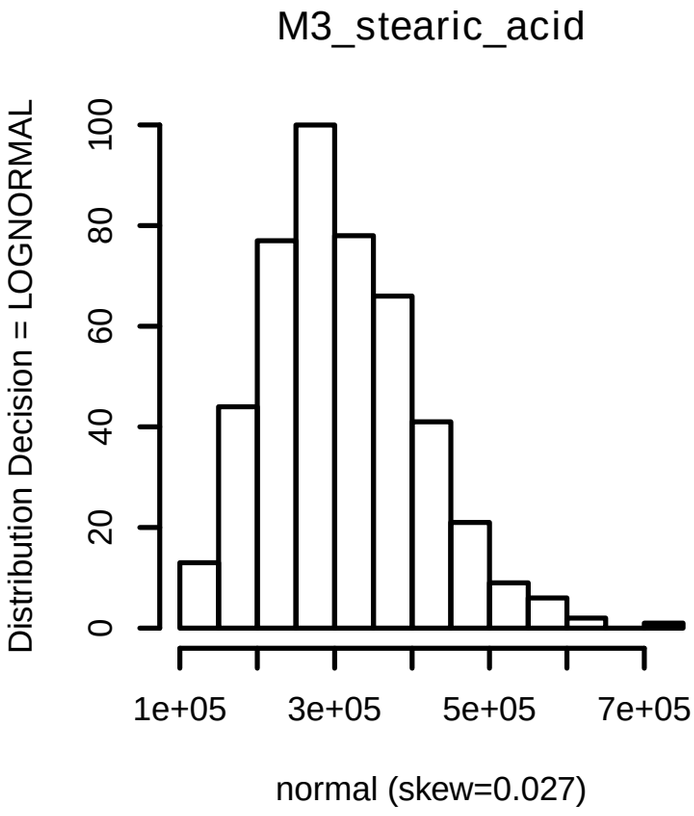
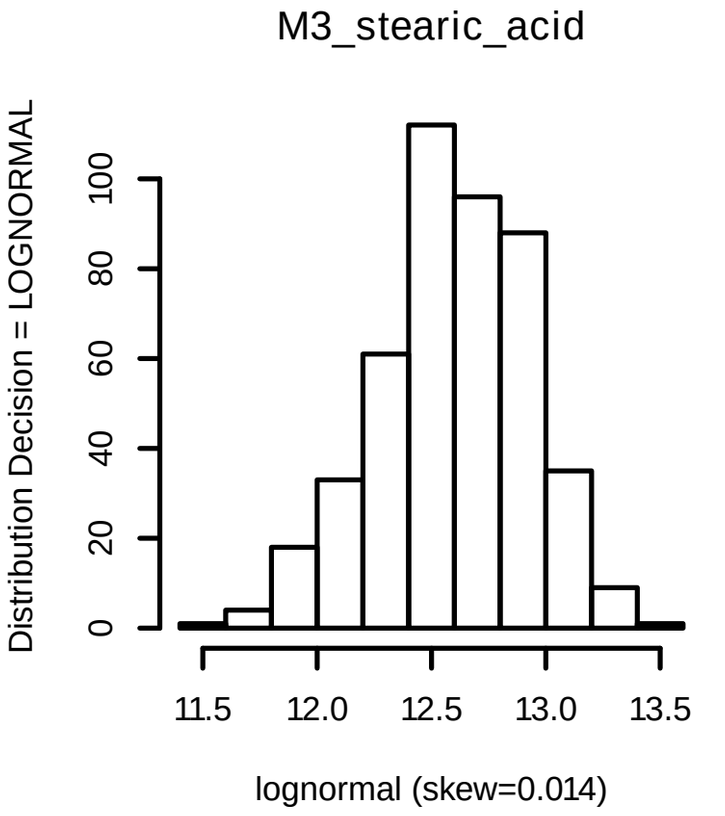
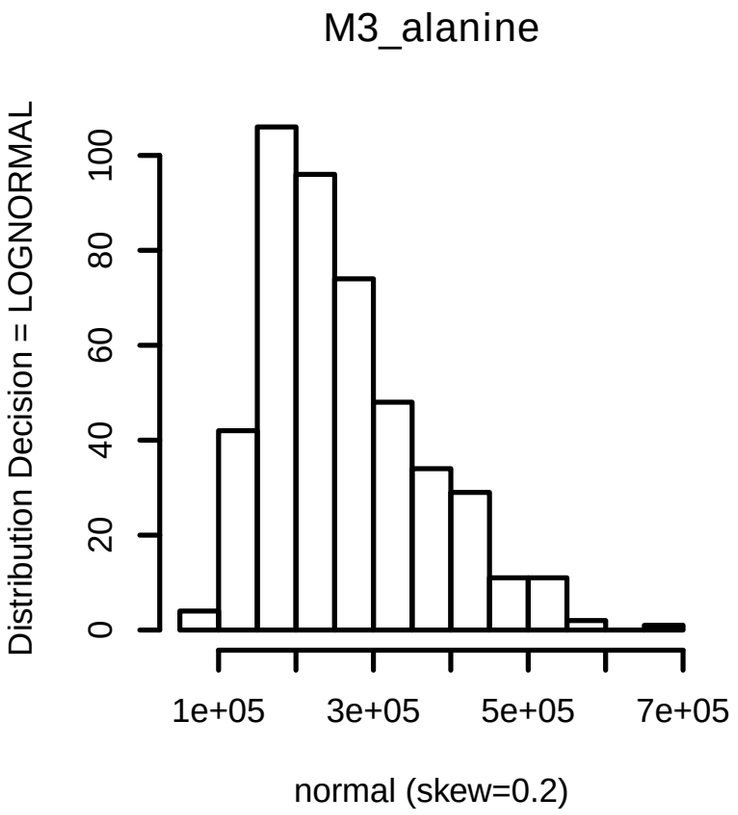
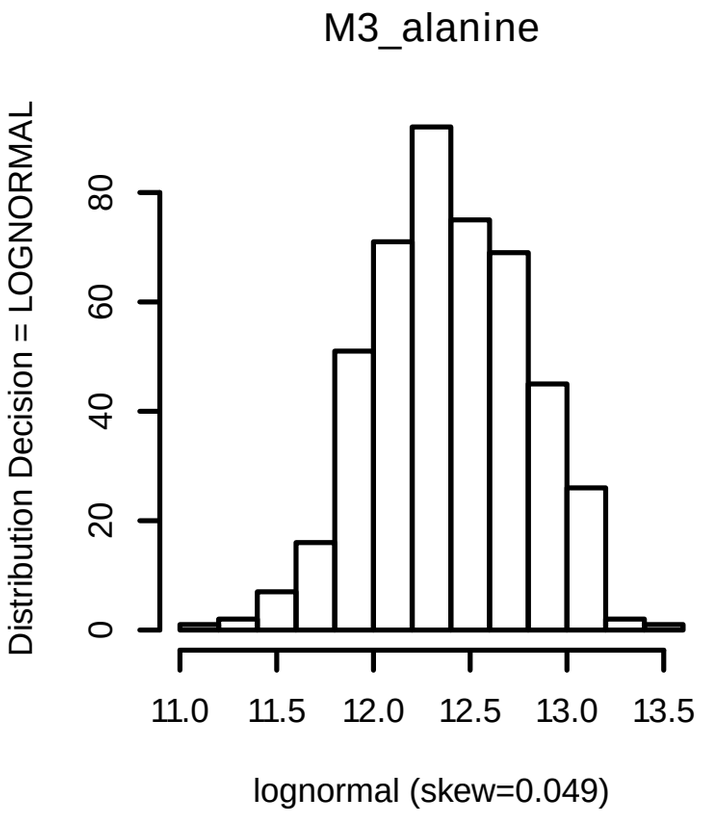

M3_glucose
Distribution Decision = NORMAL
0
20
40
60
80
100
120
2e+05
6e+05
1e+06
normal (skew=0.19)

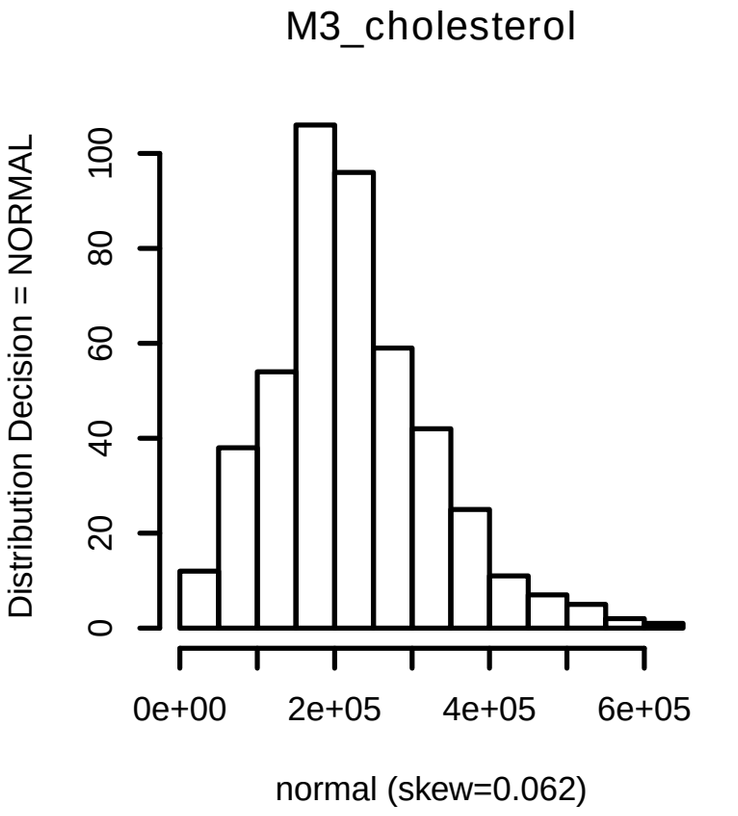

M3_glucose
Distribution Decision = NORMAL
0
20
40
60
80
100
140
12.0
12.5
13.0
13.5
14.0
lognormal (skew=0.25)

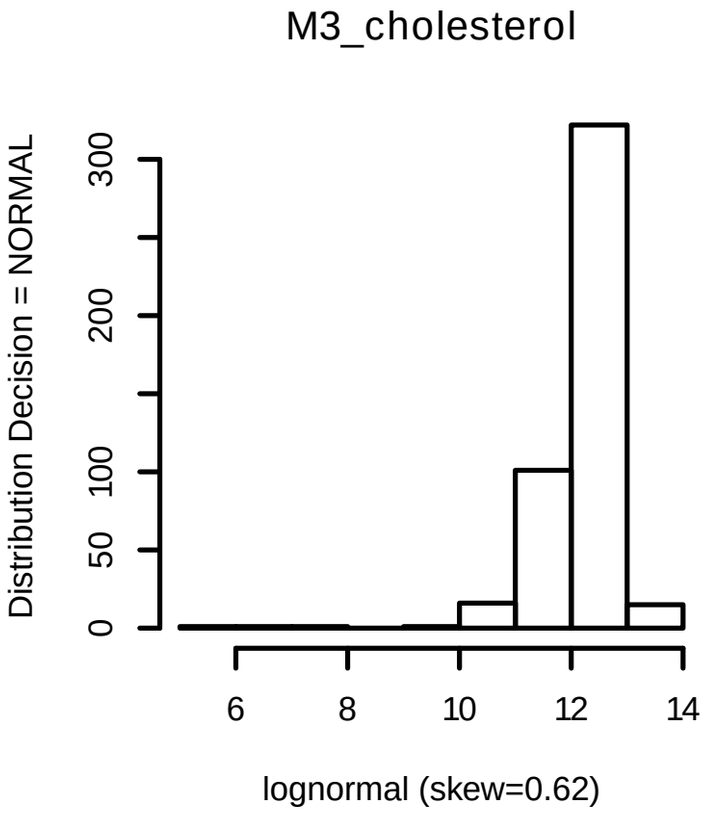

M3_stearic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
1e+05
3e+05
5e+05
7e+05
normal (skew=0.027)

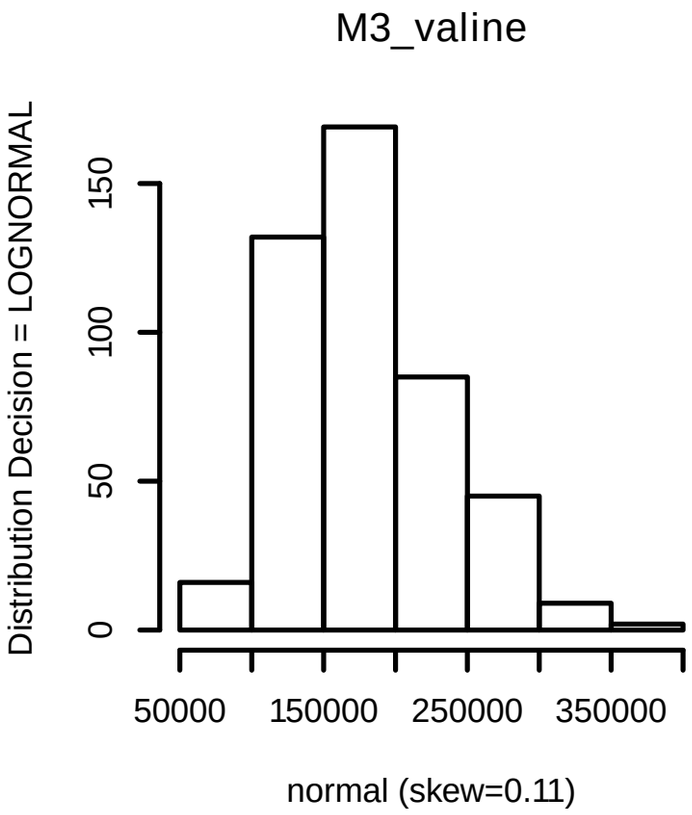

M3_stearic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
11.5
12.0
12.5
13.0
13.5
lognormal (skew=0.014)

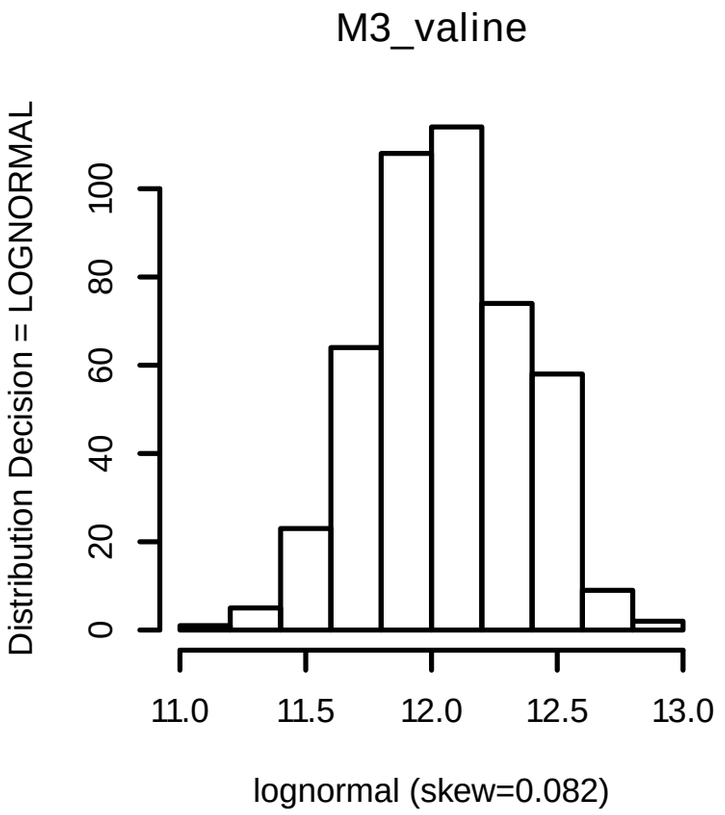

M3_alanine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
1e+05
3e+05
5e+05
7e+05
normal (skew=0.2)

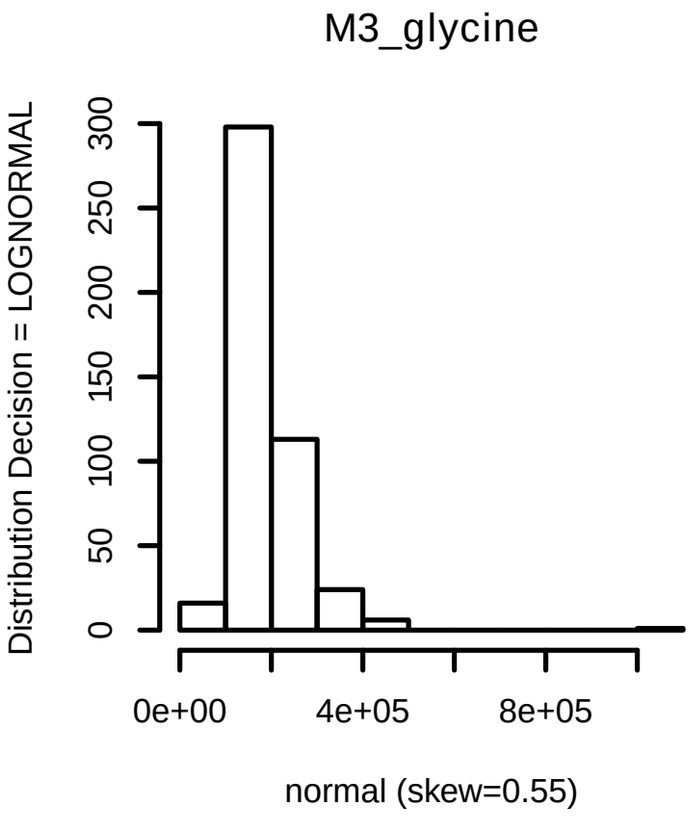

M3_alanine
Distribution Decision = LOGNORMAL
0
20
40
60
80
11.0
11.5
12.0
12.5
13.0
13.5
lognormal (skew=0.049)

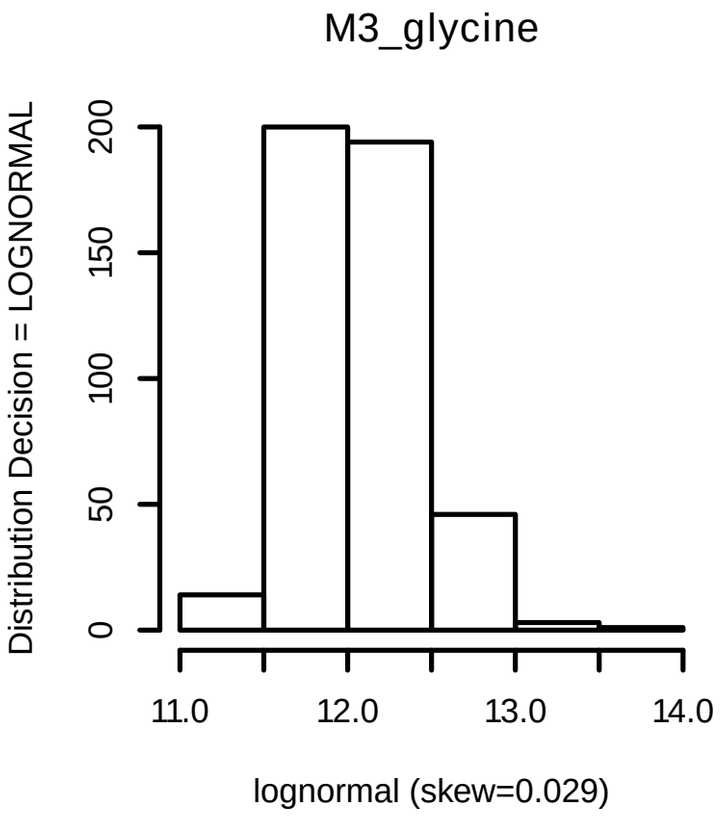

M3_cholesterol
Distribution Decision = NORMAL
0
20
40
60
80
100
0e+00
2e+05
4e+05
6e+05
normal (skew=0.062)

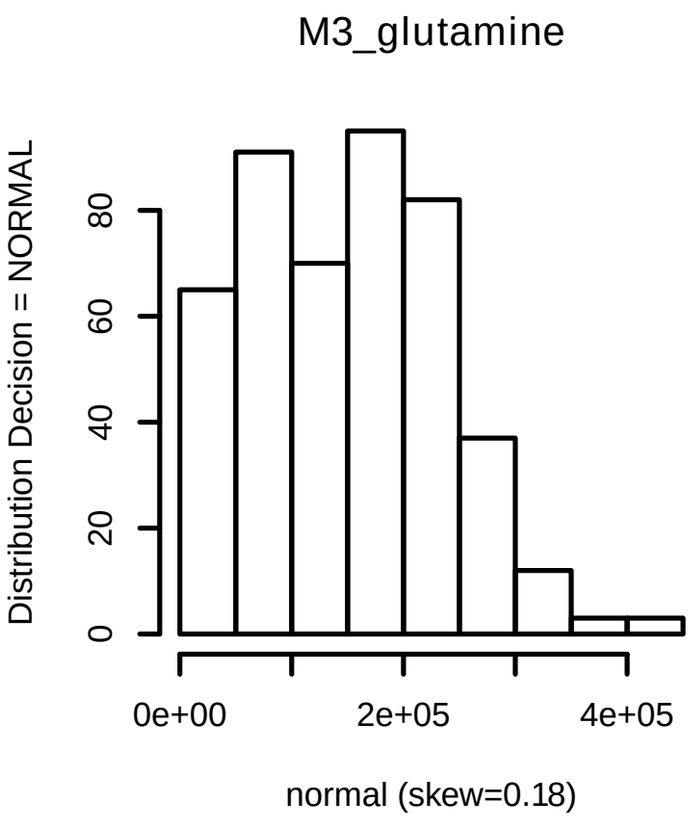

M3_cholesterol
Distribution Decision = NORMAL
0
50
100
200
300
6
8
10
12
14
lognormal (skew=0.62)

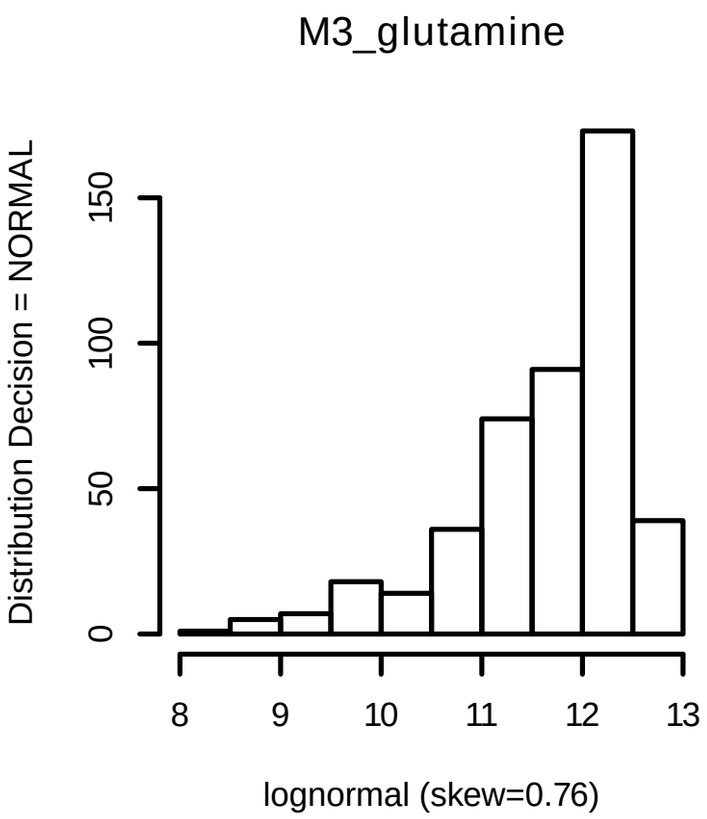

M3_valine
Distribution Decision = LOGNORMAL
0
50
100
150
50000
150000
250000
350000
normal (skew=0.11)

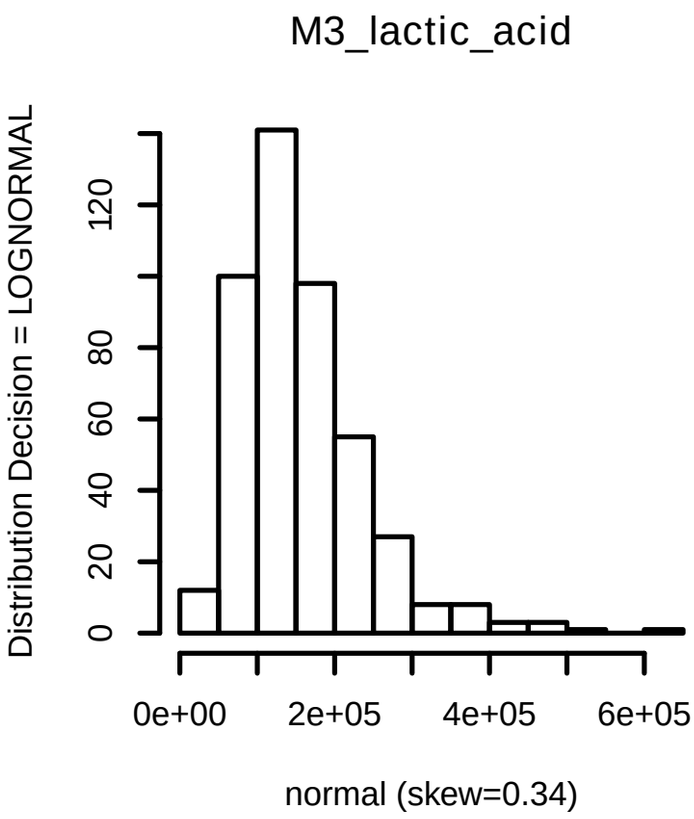

M3_valine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
11.0
11.5
12.0
12.5
13.0
lognormal (skew=0.082)

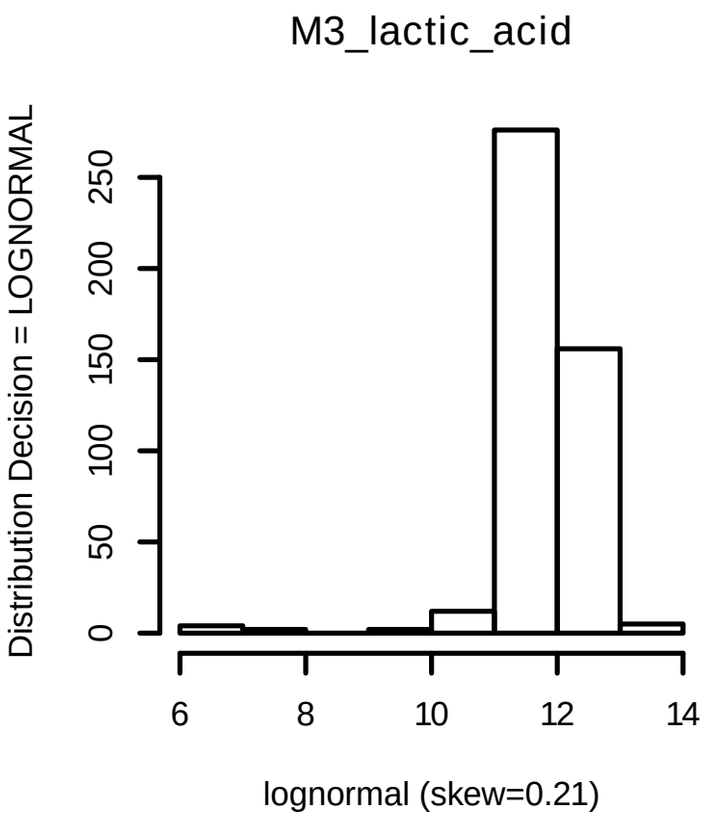

M3_glycine
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0e+00
4e+05
8e+05
normal (skew=0.55)

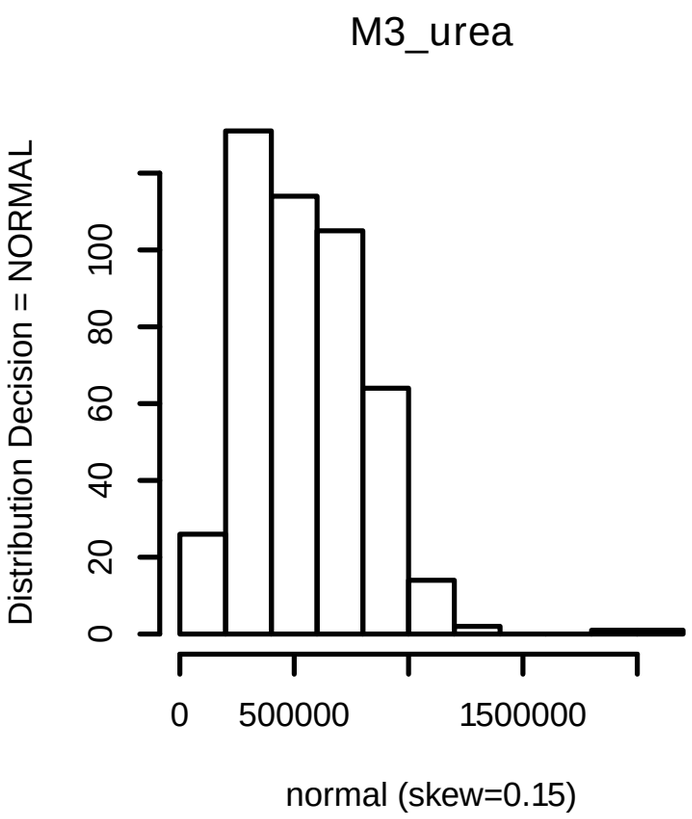

M3_glycine
Distribution Decision = LOGNORMAL
0
50
100
150
200
11.0
12.0
13.0
14.0
lognormal (skew=0.029)

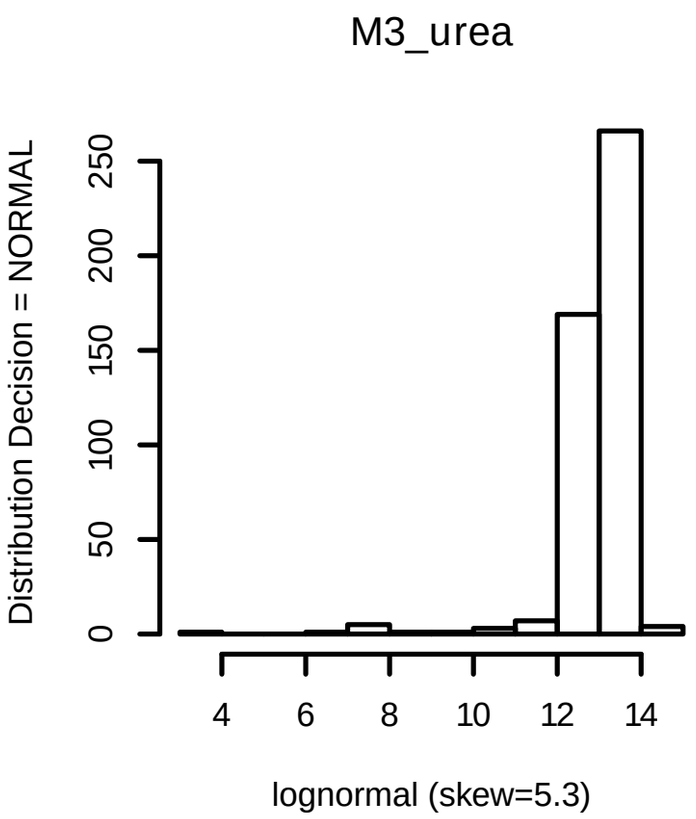

M3_glutamine
Distribution Decision = NORMAL
0
20
40
60
80
0e+00
2e+05
4e+05
normal (skew=0.18)

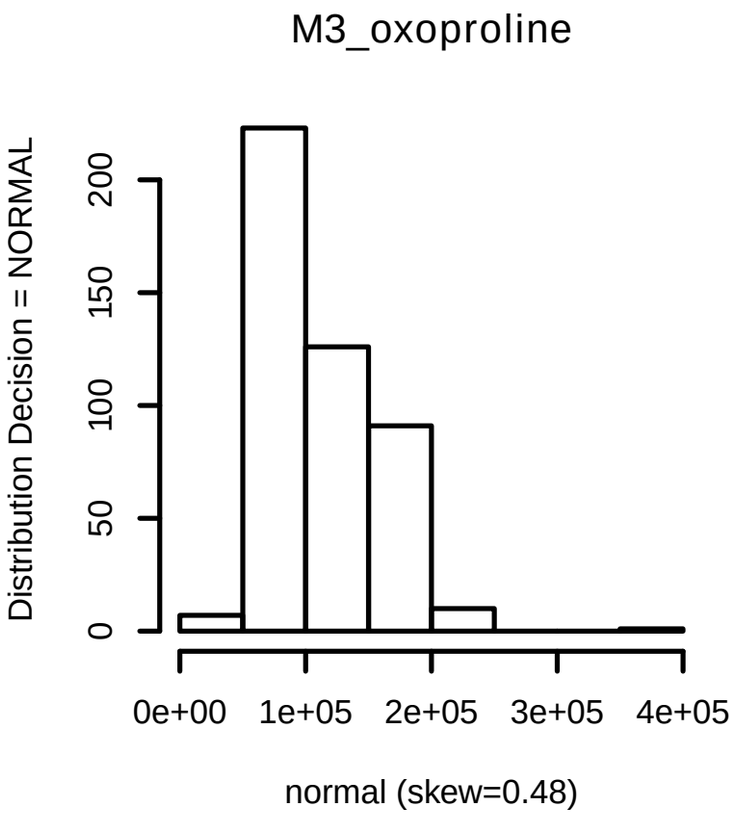

M3_glutamine
Distribution Decision = NORMAL
0
50
100
150
8
9
10
11
12
13
lognormal (skew=0.76)

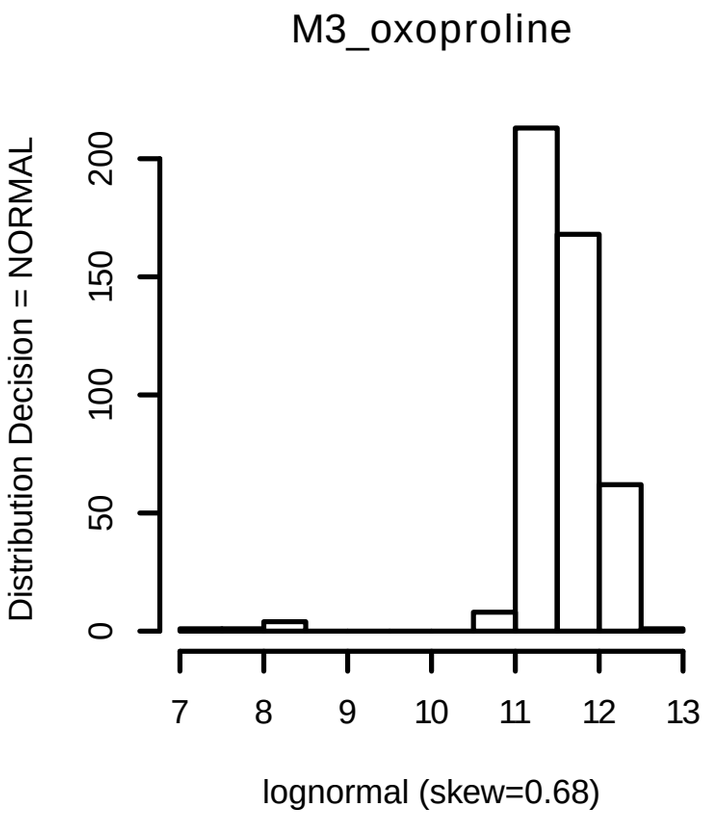

M3_lactic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
0e+00
2e+05
4e+05
6e+05
normal (skew=0.34)

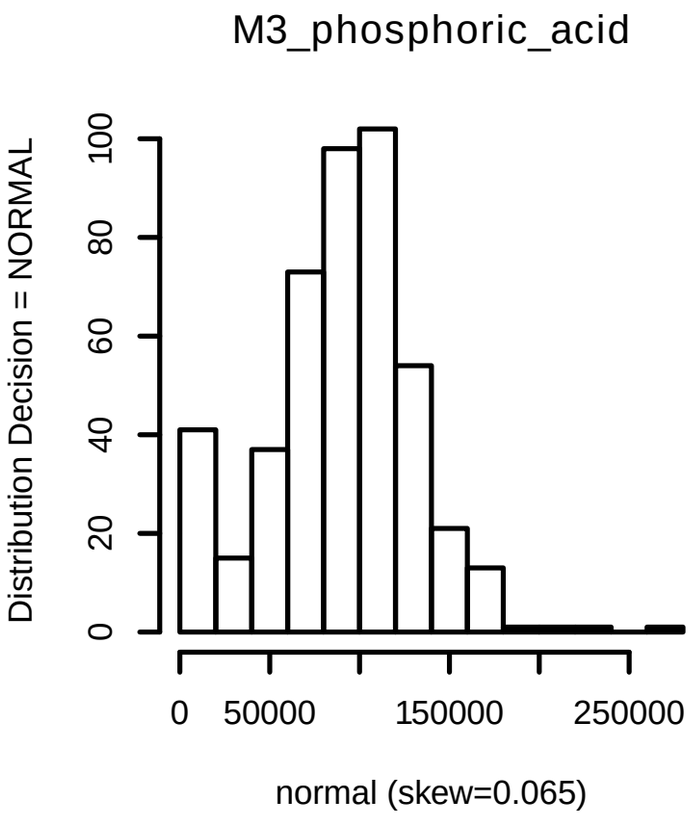

M3_lactic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
6
8
10
12
14
lognormal (skew=0.21)

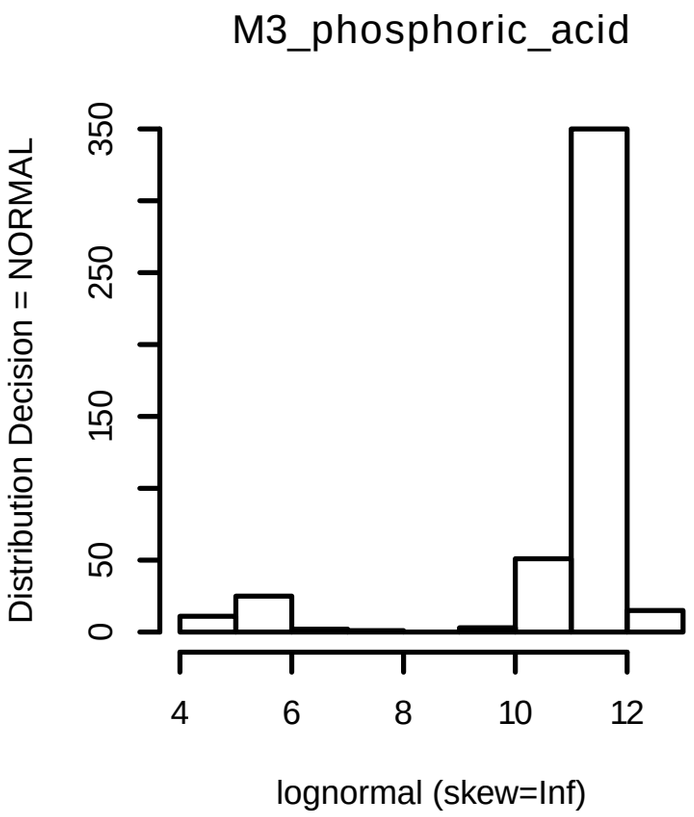

M3_urea
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500000
1500000
normal (skew=0.15)

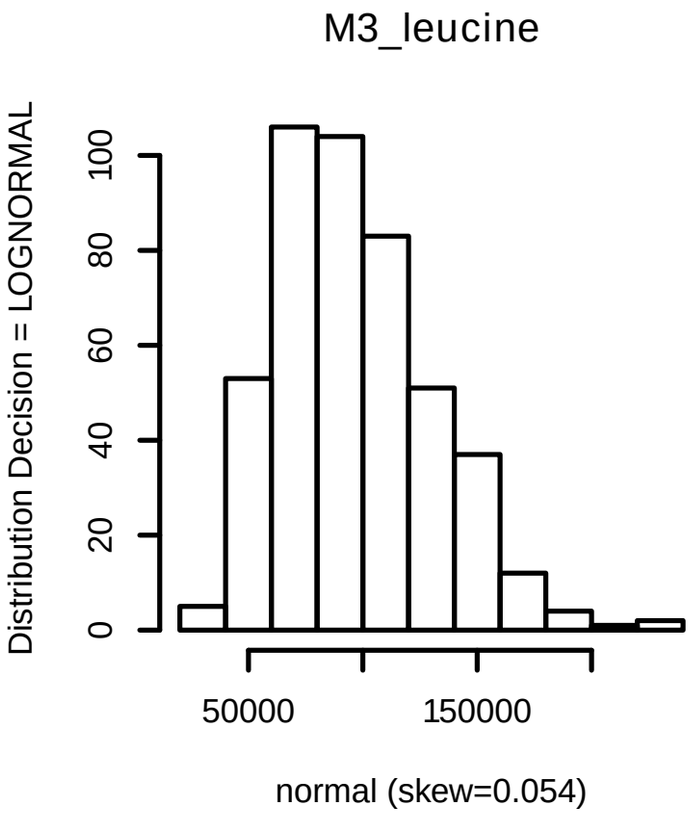

M3_urea
Distribution Decision = NORMAL
0
50
100
150
200
250
4
6
8
10
12
14
lognormal (skew=5.3)

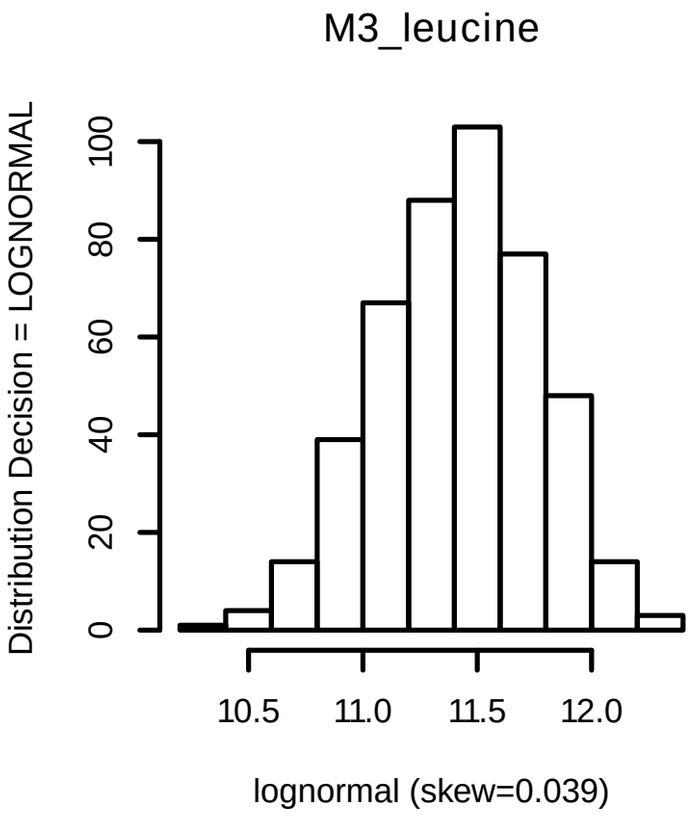

M3_oxoproline
Distribution Decision = NORMAL
0
50
100
150
200
0e+00
1e+05
2e+05
3e+05
4e+05
normal (skew=0.48)

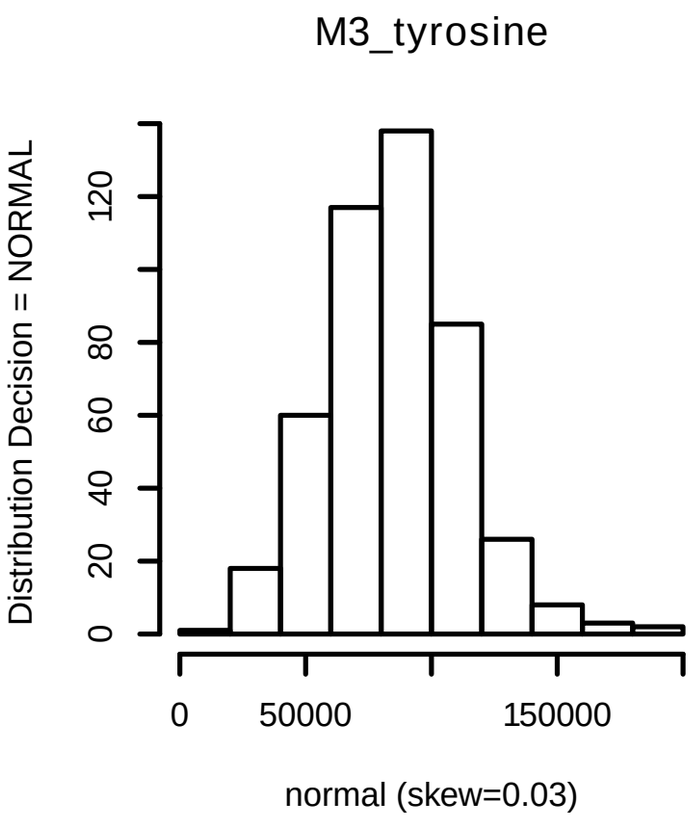

M3_oxoproline
Distribution Decision = NORMAL
0
50
100
150
200
7
8
9
10
11
12
13
lognormal (skew=0.68)

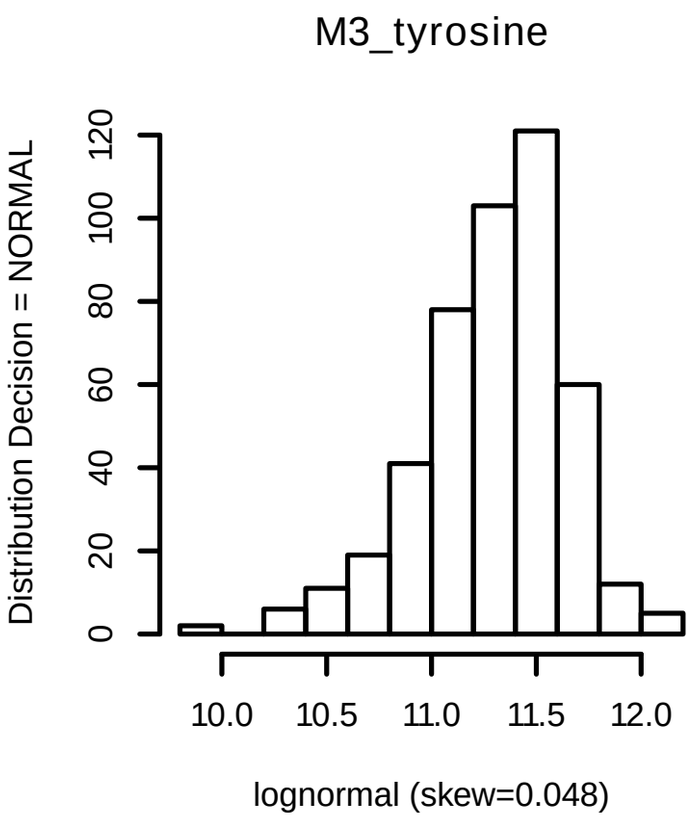

M3_phosphoric_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
0
50000
150000
250000
normal (skew=0.065)

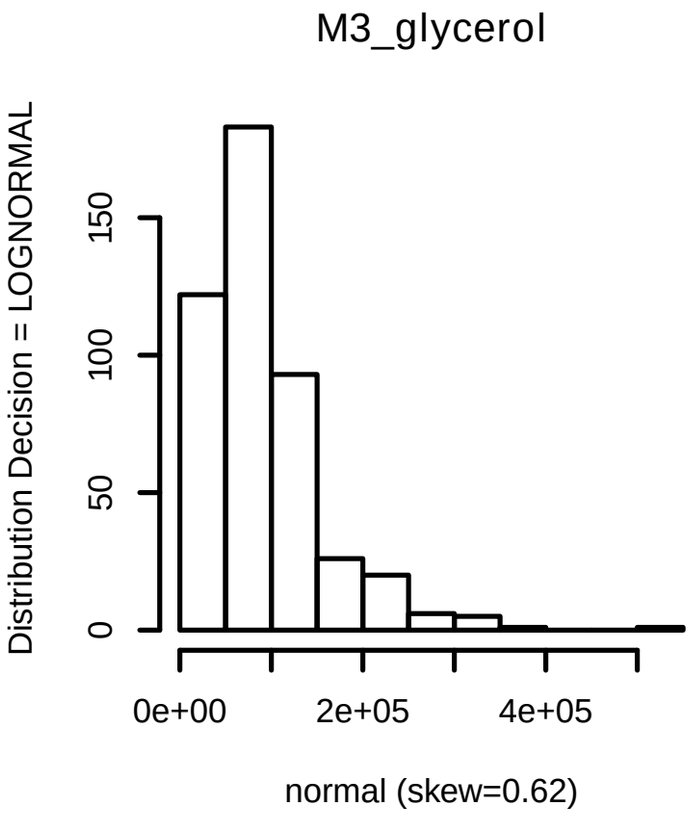

M3_phosphoric_acid
Distribution Decision = NORMAL
0
50
150
250
350
4
6
8
10
12
lognormal (skew=Inf)

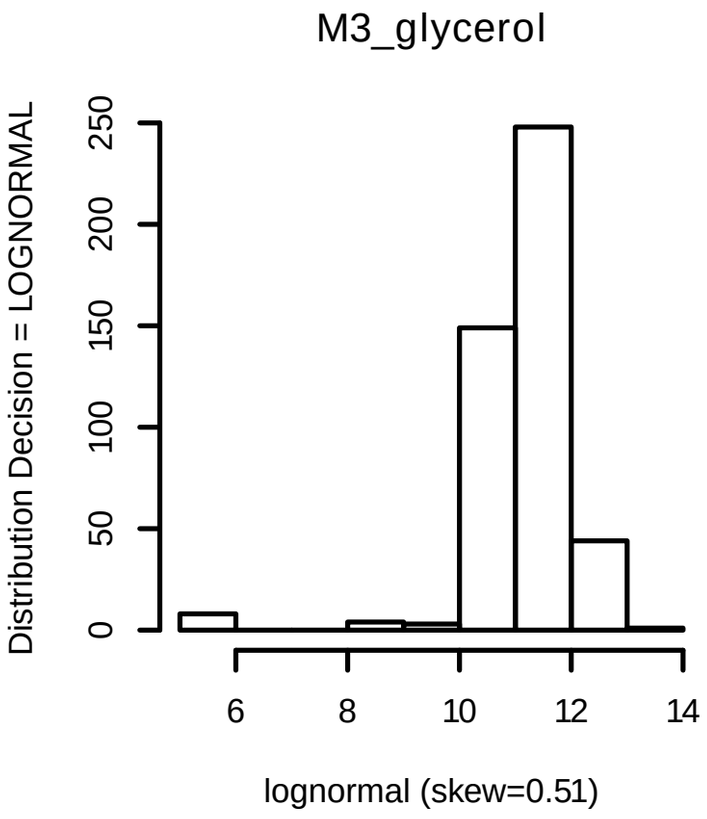

M3_leucine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
50000
150000
normal (skew=0.054)

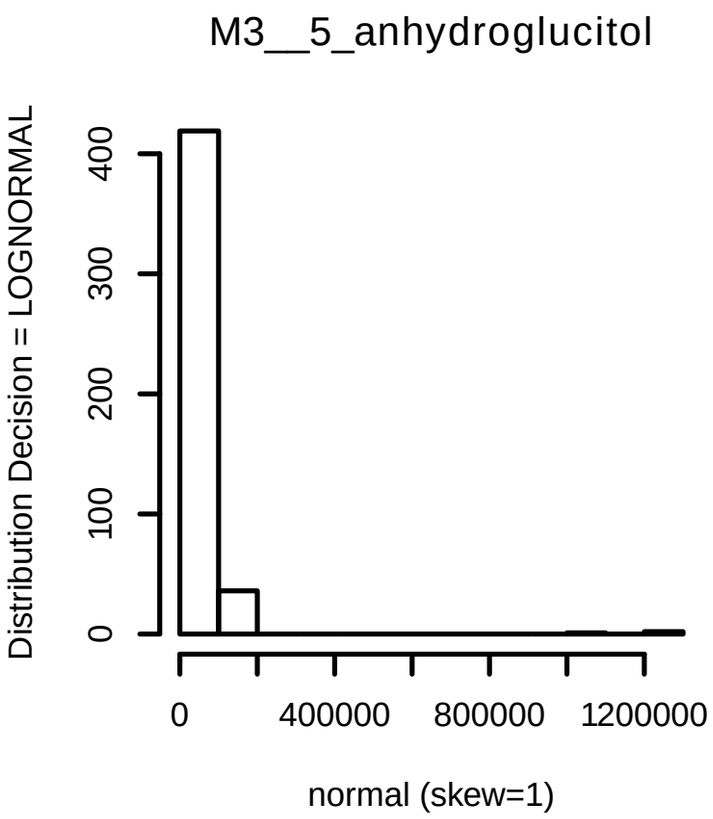

M3_leucine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
10.5
11.0
11.5
12.0
lognormal (skew=0.039)

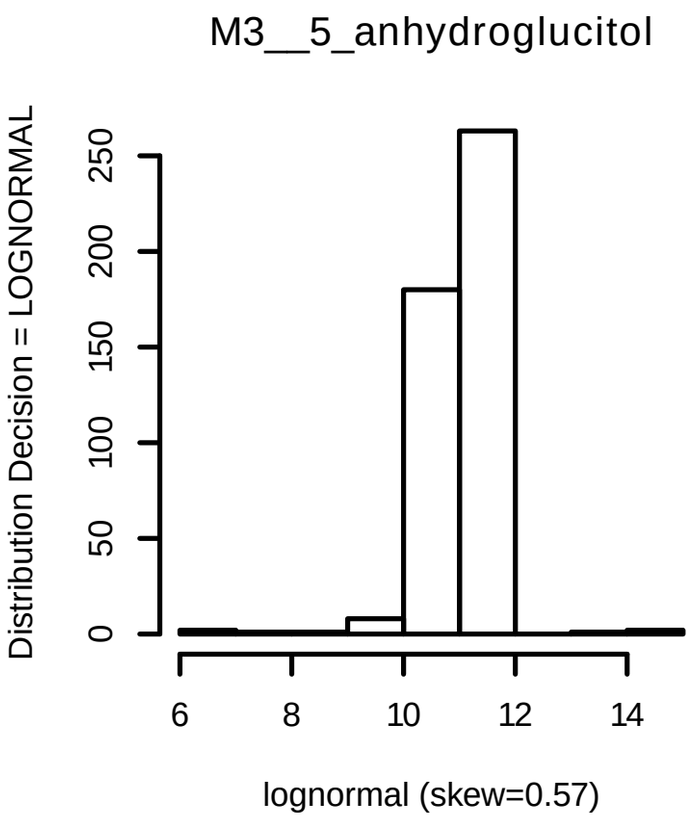

M3_tyrosine
Distribution Decision = NORMAL
0
20
40
60
80
120
0
50000
150000
normal (skew=0.03)

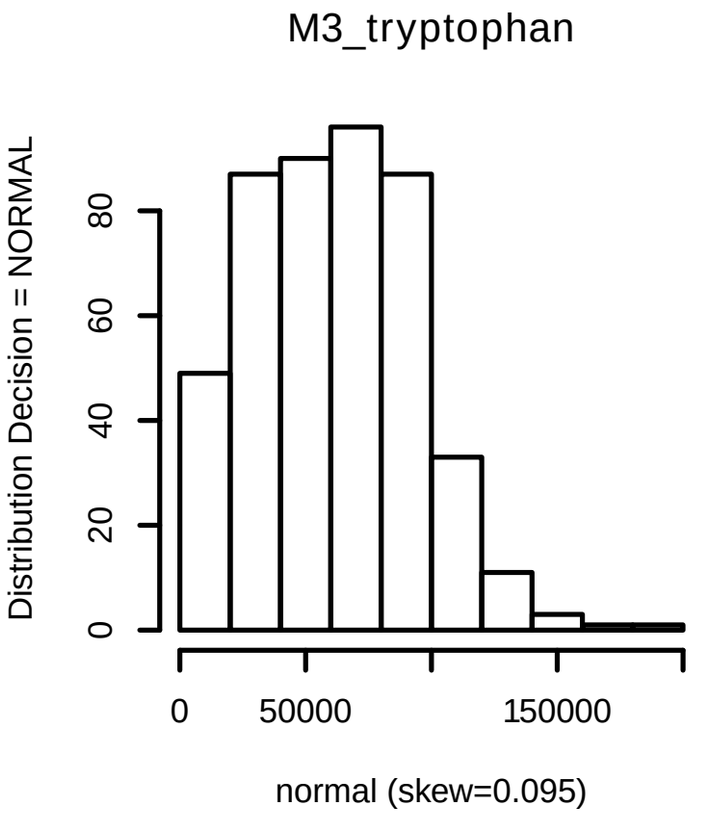

M3_tyrosine
Distribution Decision = NORMAL
0
20
40
60
80
100
120
10.0
10.5
11.0
11.5
12.0
lognormal (skew=0.048)

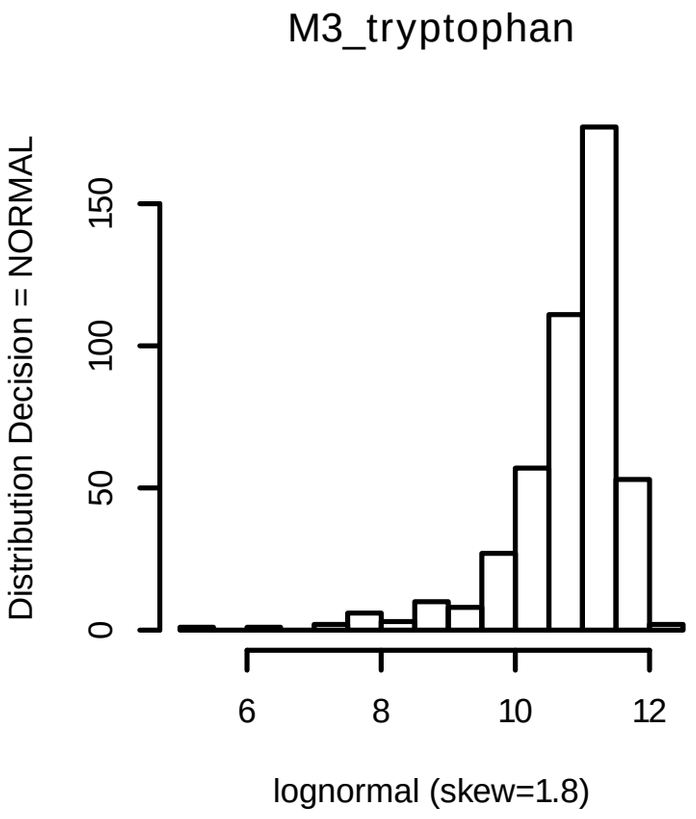

M3_glycerol
Distribution Decision = LOGNORMAL
0
50
100
150
0e+00
2e+05
4e+05
normal (skew=0.62)

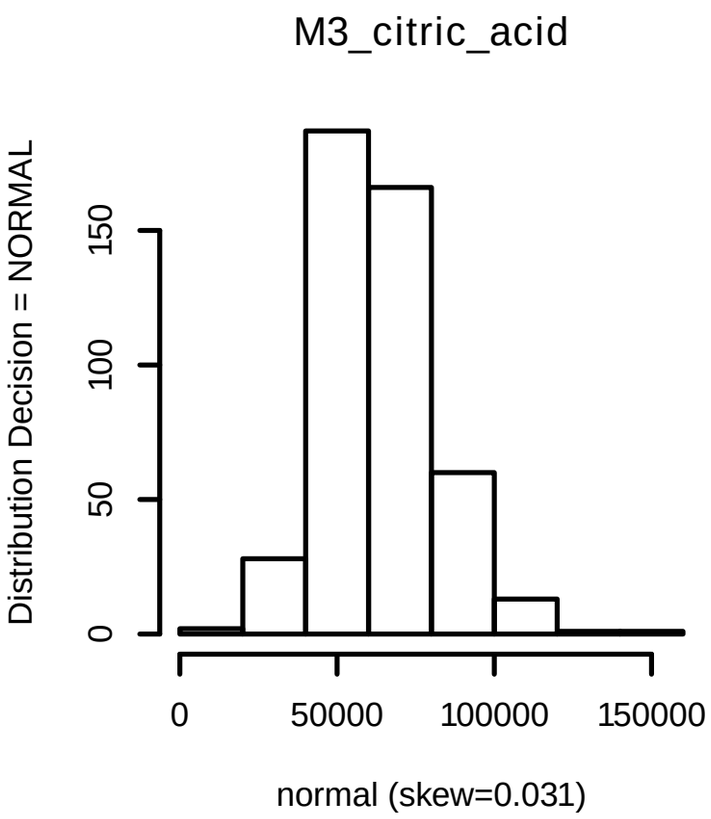

M3_glycerol
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
6
8
10
12
14
lognormal (skew=0.51)

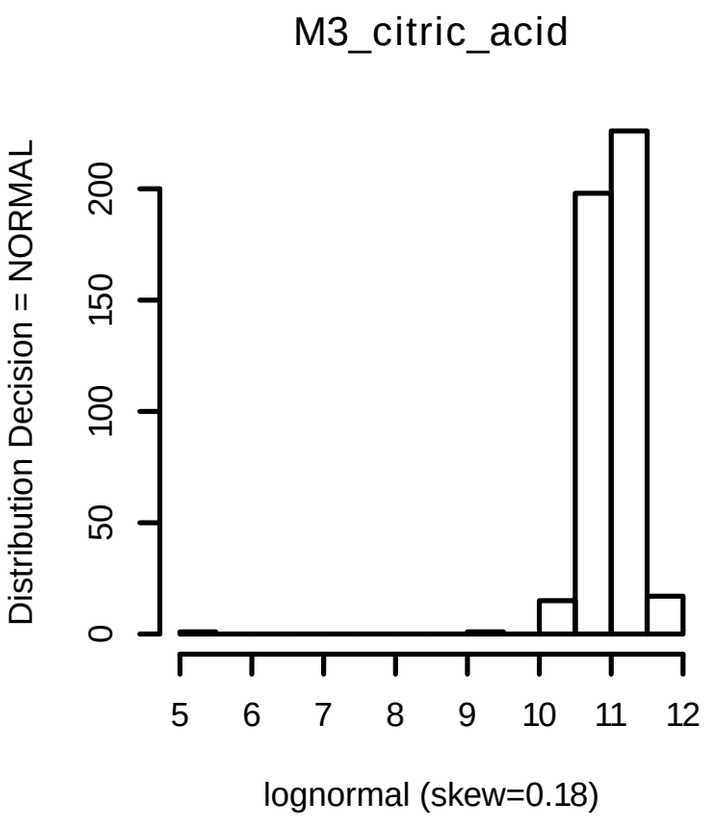

M3__5_anhydroglucitol
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
400000
800000
1200000
normal (skew=1)

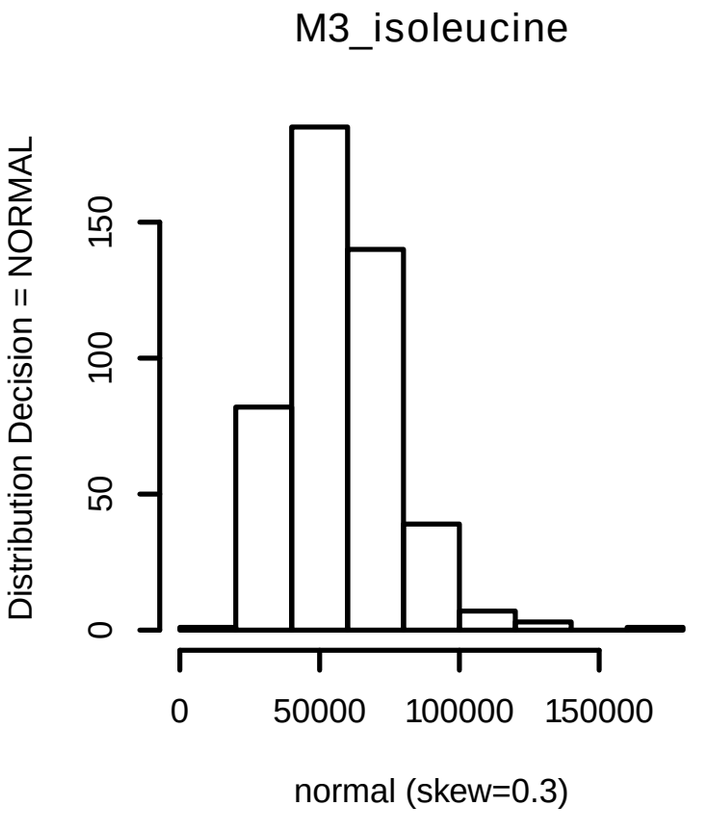

M3__5_anhydroglucitol
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
6
8
10
12
14
lognormal (skew=0.57)

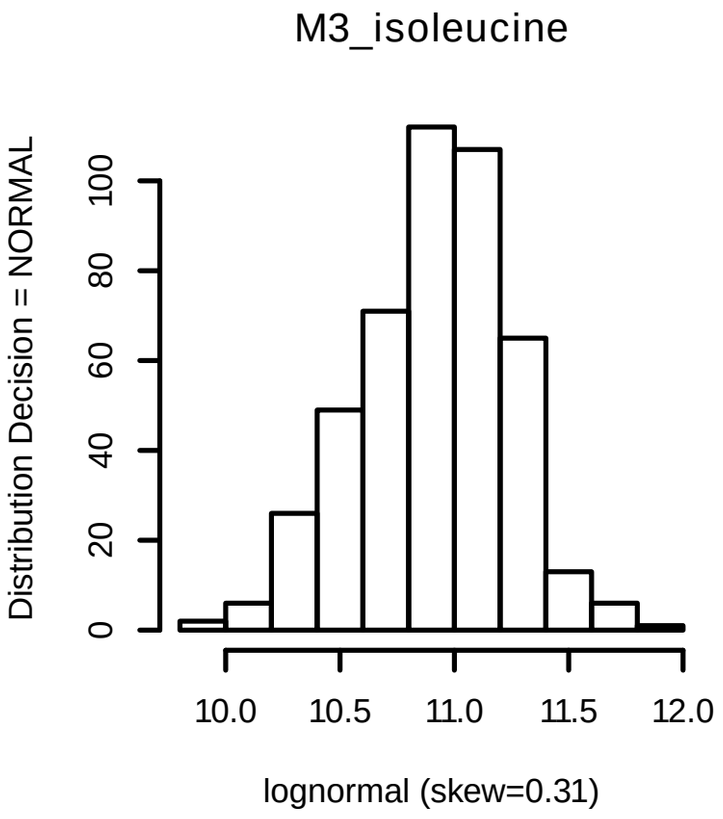

M3_tryptophan
Distribution Decision = NORMAL
0
20
40
60
80
0
50000
150000
normal (skew=0.095)

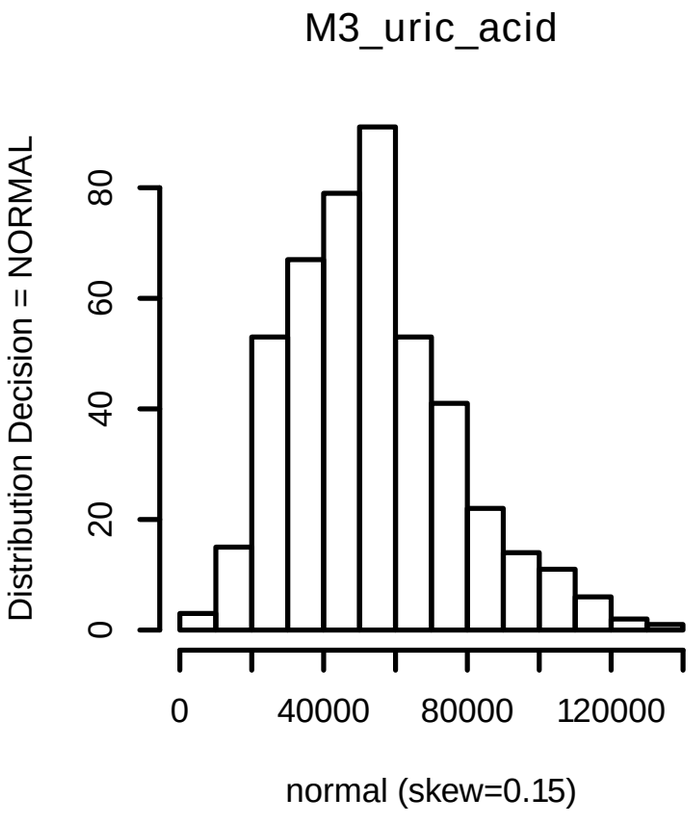

M3_tryptophan
Distribution Decision = NORMAL
0
50
100
150
6
8
10
12
lognormal (skew=1.8)

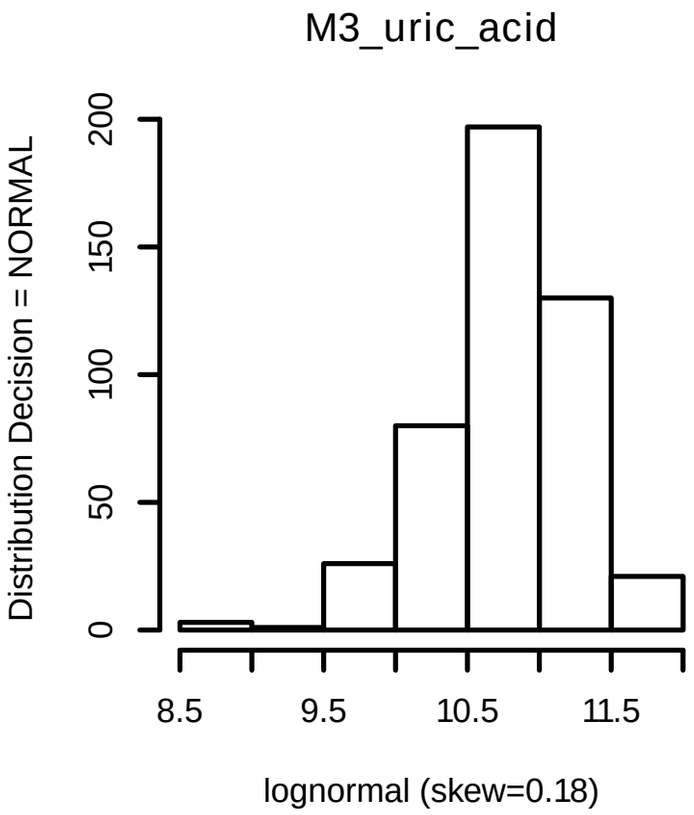

M3_citric_acid
Distribution Decision = NORMAL
0
50
100
150
0
50000
100000
150000
normal (skew=0.031)

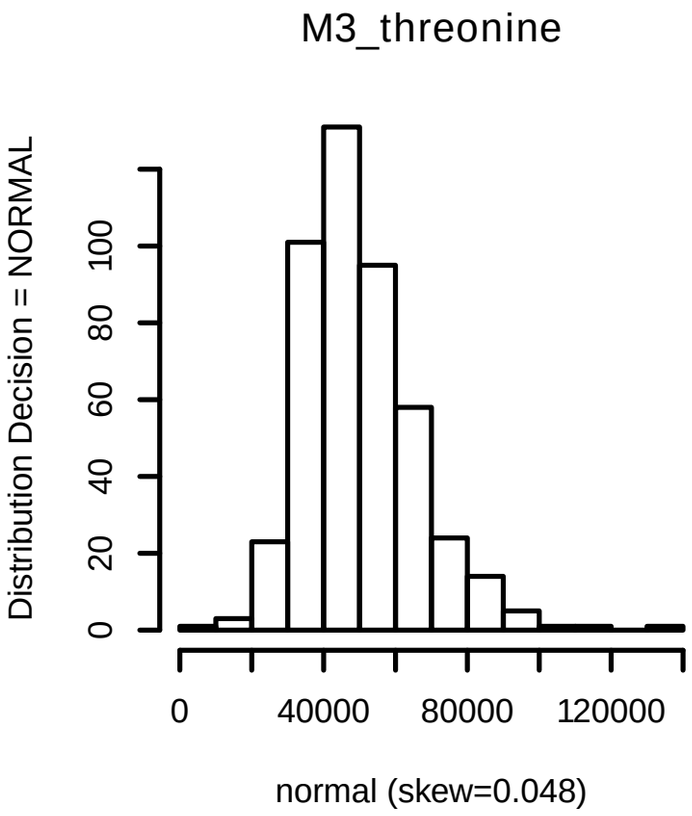

M3_citric_acid
Distribution Decision = NORMAL
0
50
100
150
200
5
6
7
8
9
10
11
12
lognormal (skew=0.18)

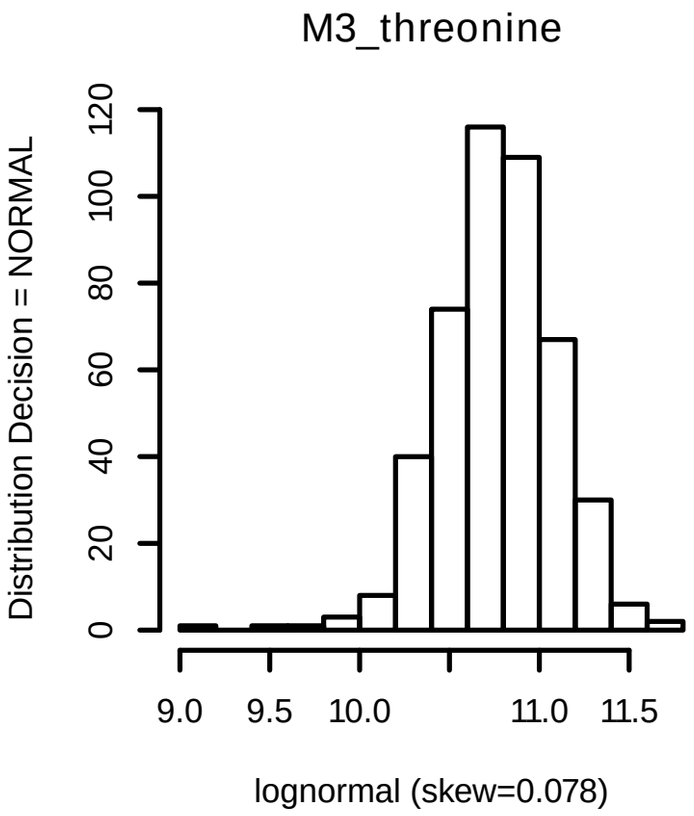

M3_isoleucine
Distribution Decision = NORMAL
0
50
100
150
0
50000
100000
150000
normal (skew=0.3)

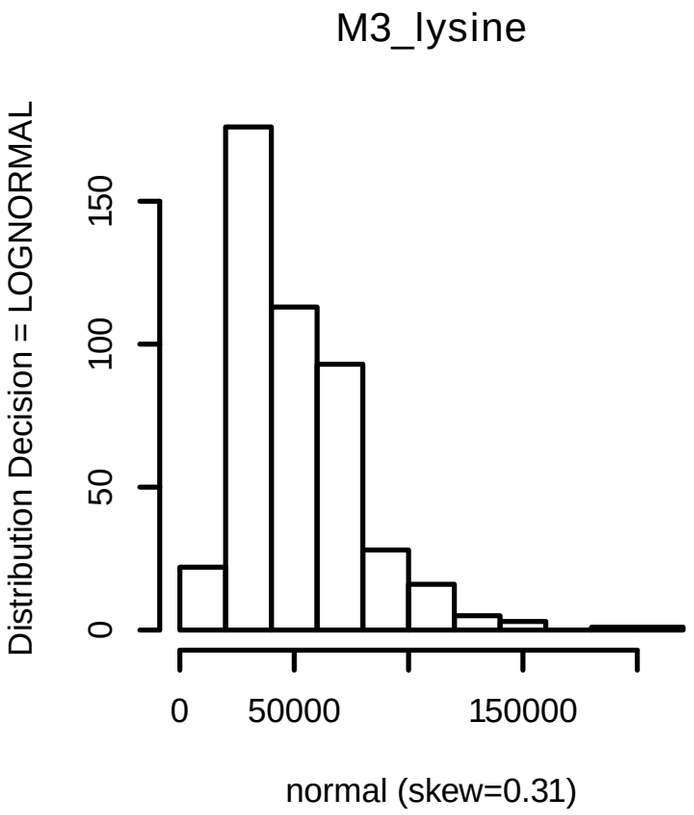

M3_isoleucine
Distribution Decision = NORMAL
0
20
40
60
80
100
10.0
10.5
11.0
11.5
12.0
lognormal (skew=0.31)

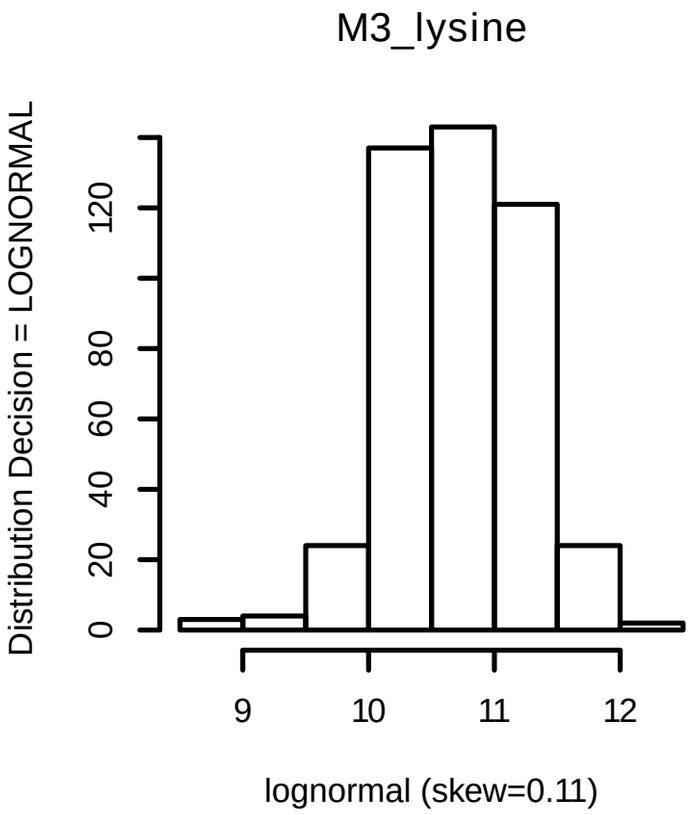

M3_uric_acid
Distribution Decision = NORMAL
0
20
40
60
80
0
40000
80000
120000
normal (skew=0.15)

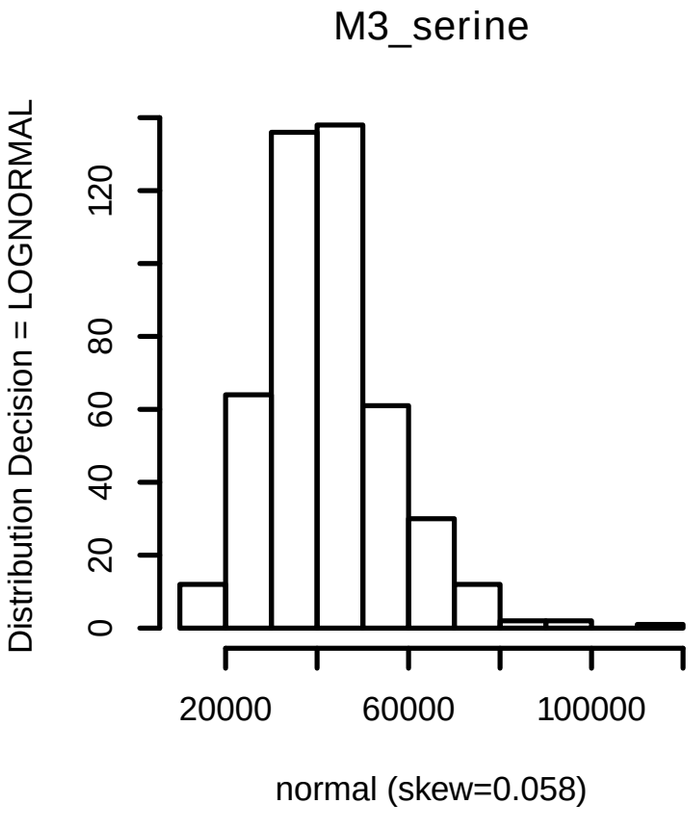

M3_uric_acid
Distribution Decision = NORMAL
0
50
100
150
200
8.5
9.5
10.5
11.5
lognormal (skew=0.18)

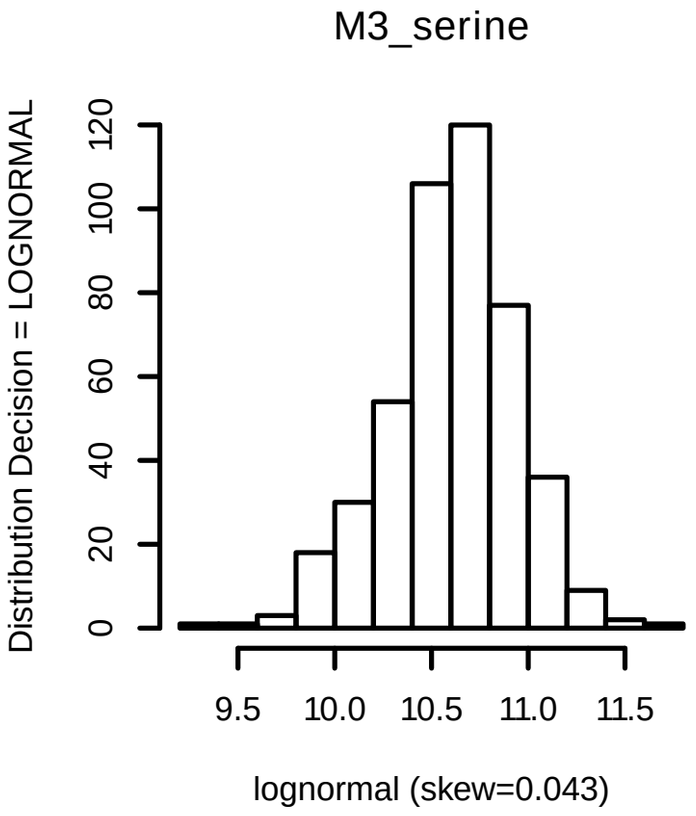

M3_threonine
Distribution Decision = NORMAL
0
20
40
60
80
100
0
40000
80000
120000
normal (skew=0.048)

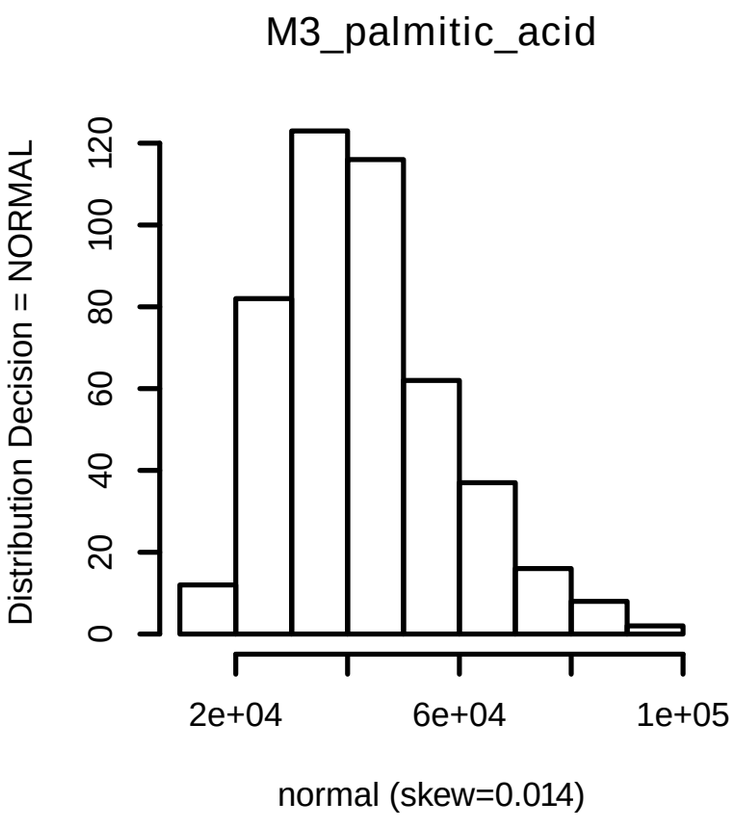

M3_threonine
Distribution Decision = NORMAL
0
20
40
60
80
100
120
9.0
9.5
10.0
11.0
11.5
lognormal (skew=0.078)

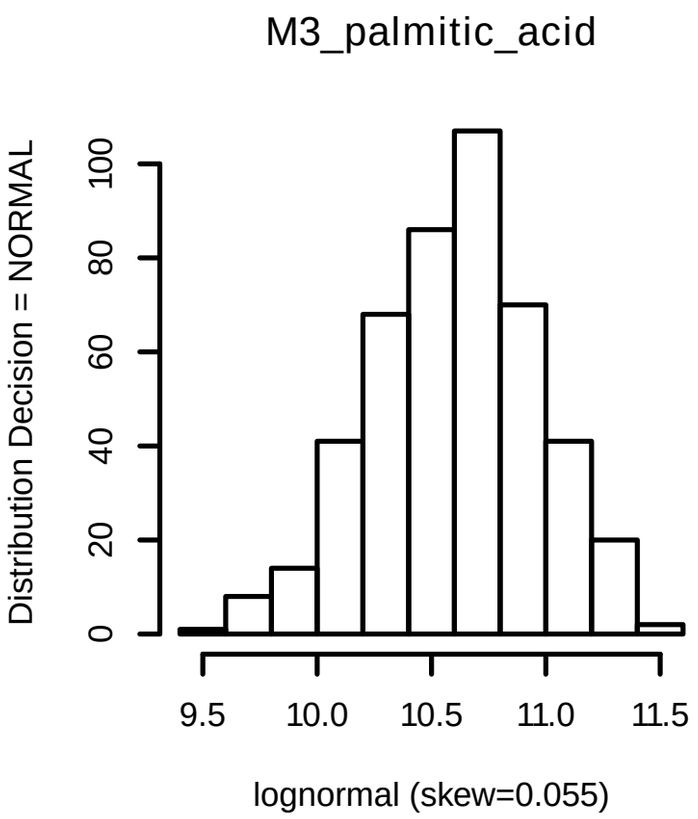

M3_lysine
Distribution Decision = LOGNORMAL
0
50
100
150
0
50000
150000
normal (skew=0.31)

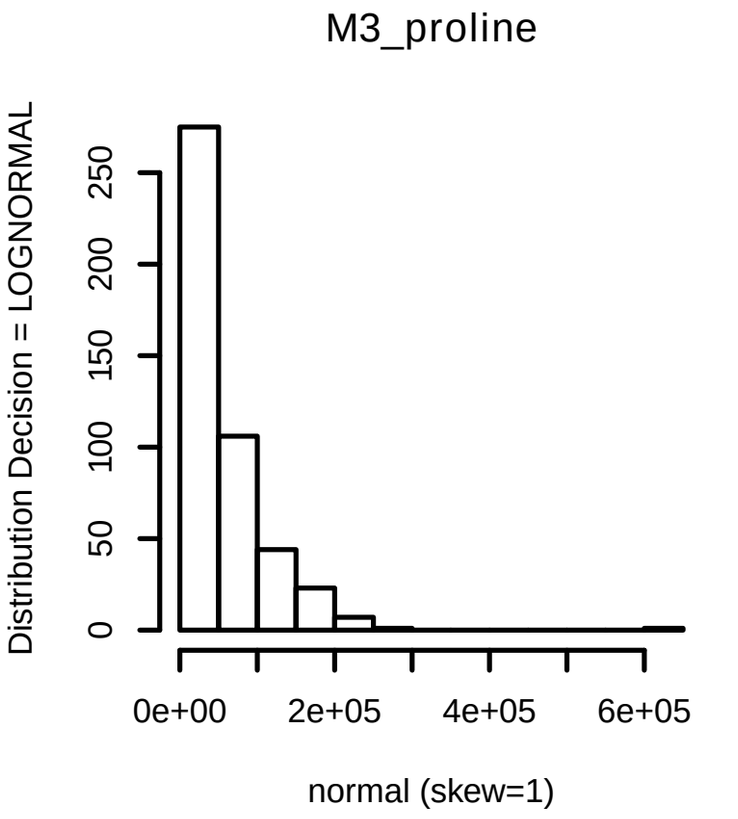

M3_lysine
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
9
10
11
12
lognormal (skew=0.11)

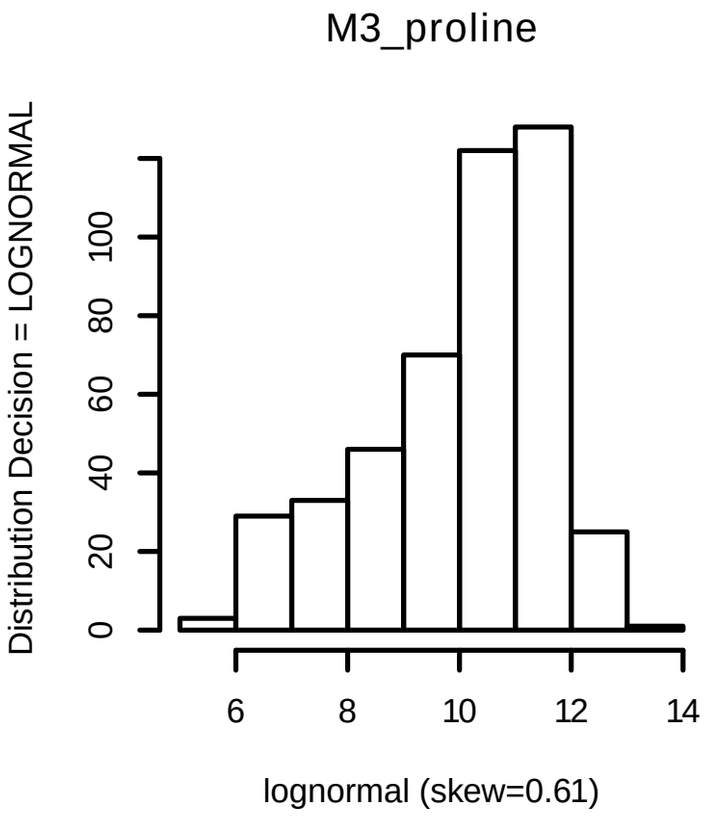

M3_serine
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
20000
60000
100000
normal (skew=0.058)

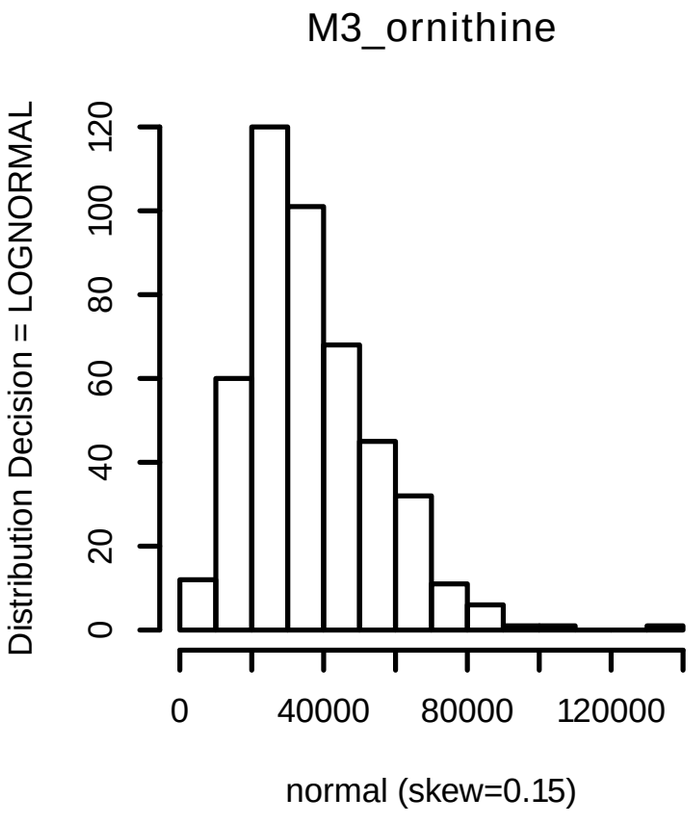

M3_serine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
9.5
10.0
10.5
11.0
11.5
lognormal (skew=0.043)

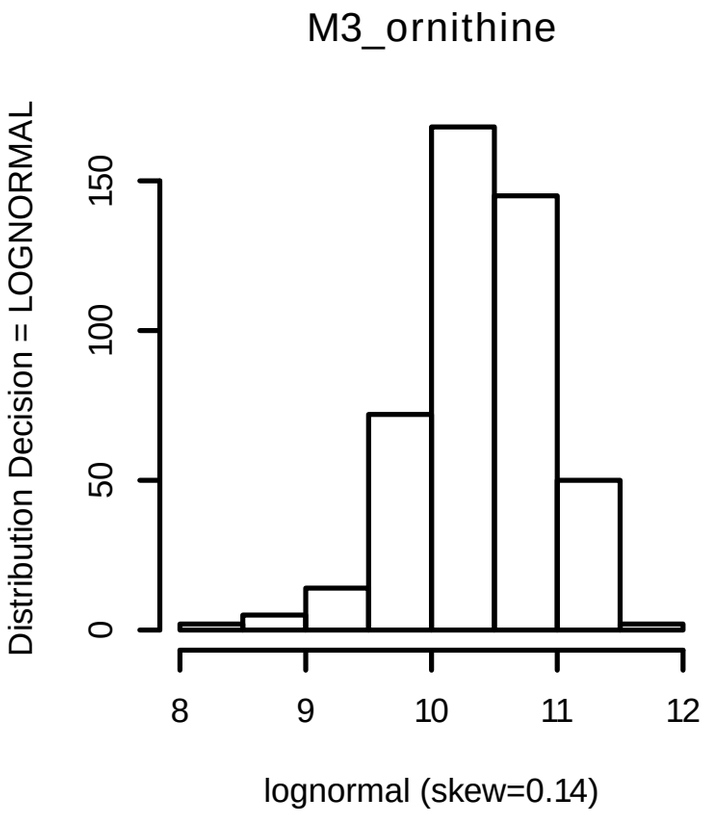

M3_palmitic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
120
2e+04
6e+04
1e+05
normal (skew=0.014)

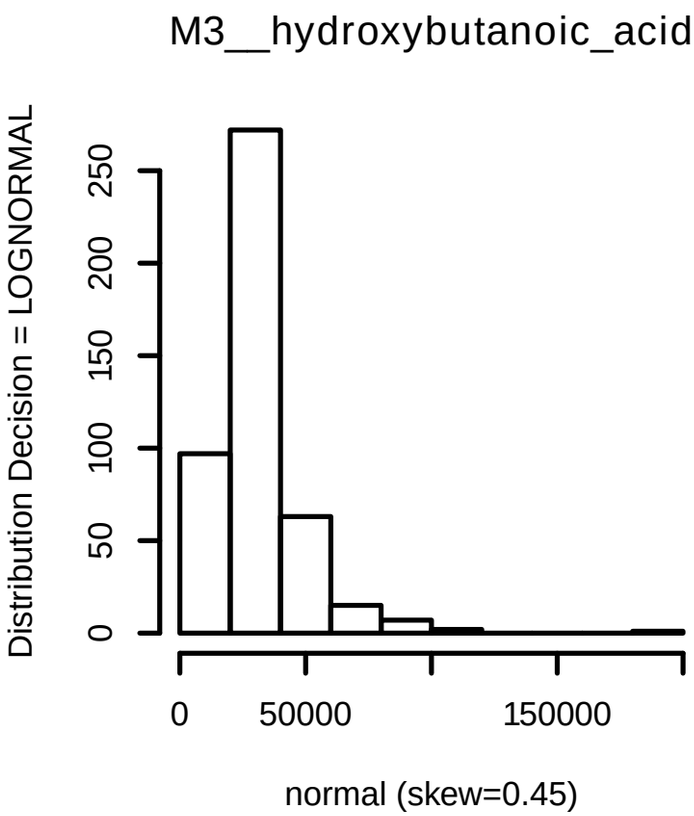

M3_palmitic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
9.5
10.0
10.5
11.0
11.5
lognormal (skew=0.055)

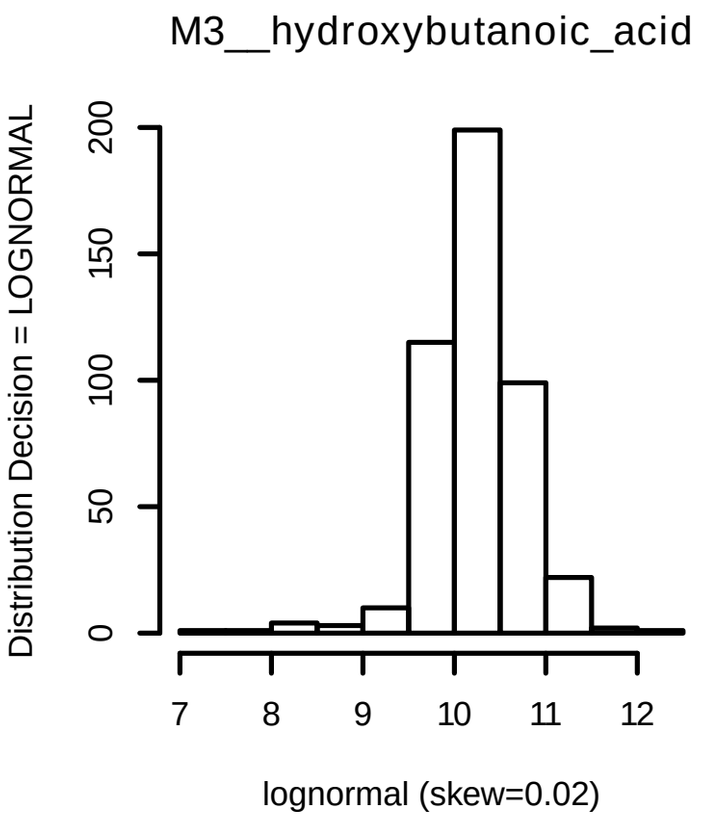

M3_proline
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0e+00
2e+05
4e+05
6e+05
normal (skew=1)

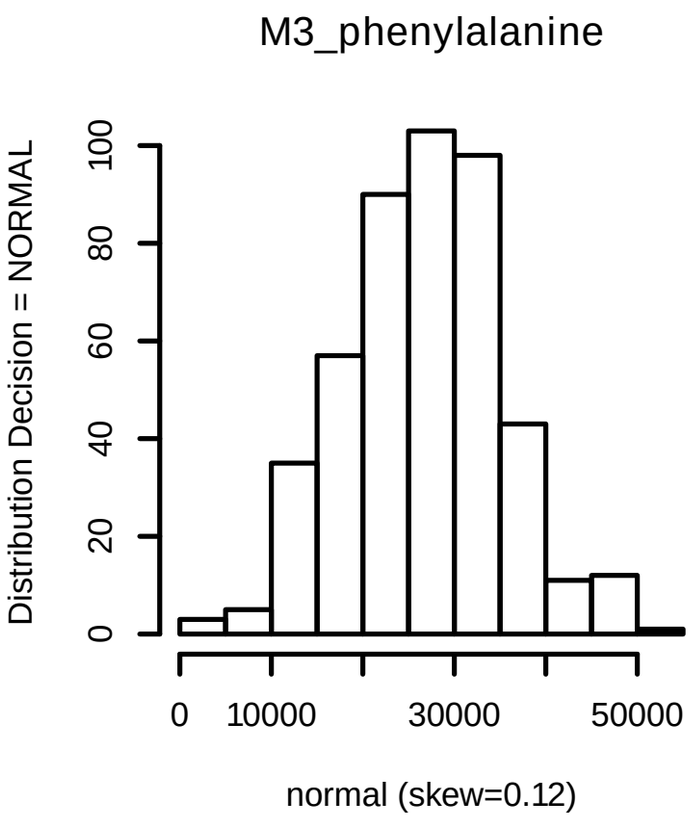

M3_proline
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
6
8
10
12
14
lognormal (skew=0.61)

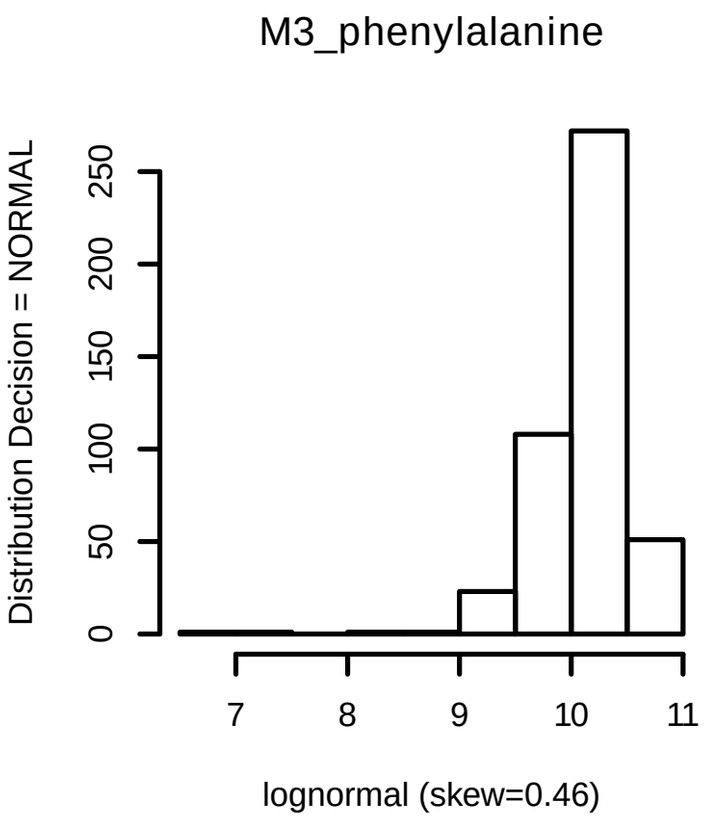

M3_ornithine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
40000
80000
120000
normal (skew=0.15)

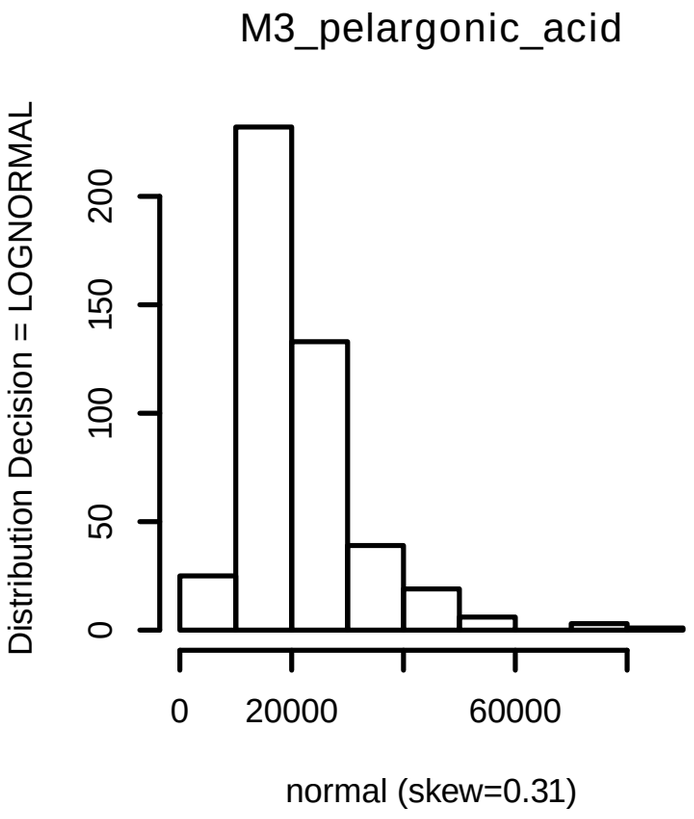

M3_ornithine
Distribution Decision = LOGNORMAL
0
50
100
150
8
9
10
11
12
lognormal (skew=0.14)

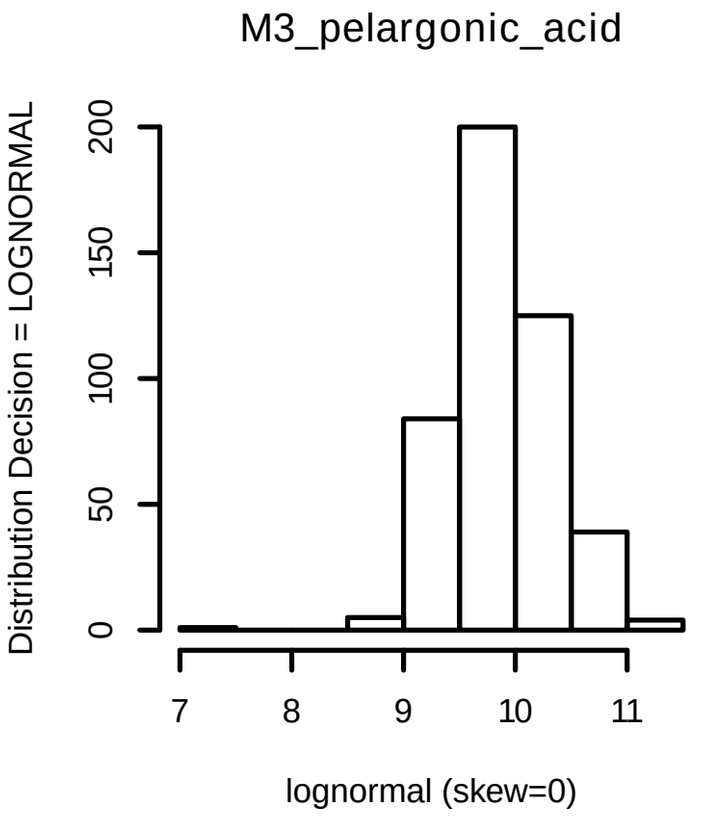

M3__hydroxybutanoic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
50000
150000
normal (skew=0.45)

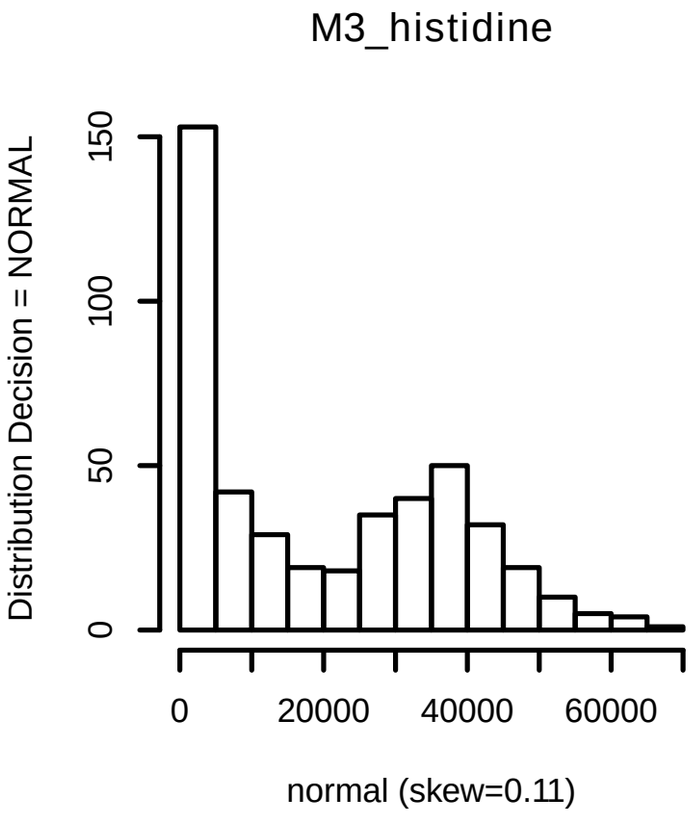

M3__hydroxybutanoic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
7
8
9
10
11
12
lognormal (skew=0.02)

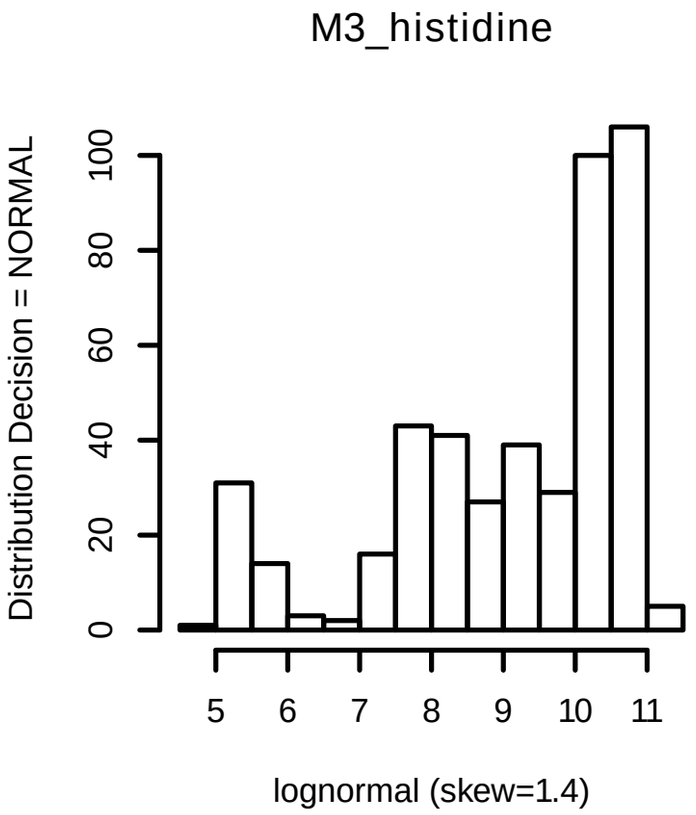

M3_phenylalanine
Distribution Decision = NORMAL
0
20
40
60
80
100
0
10000
30000
50000
normal (skew=0.12)

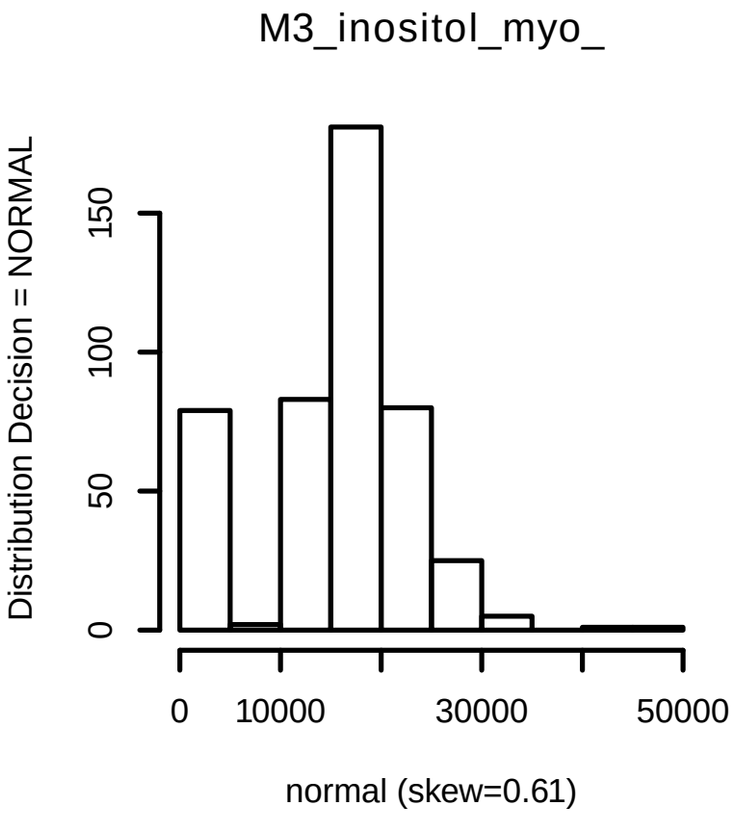

M3_phenylalanine
Distribution Decision = NORMAL
0
50
100
150
200
250
7
8
9
10
11
lognormal (skew=0.46)

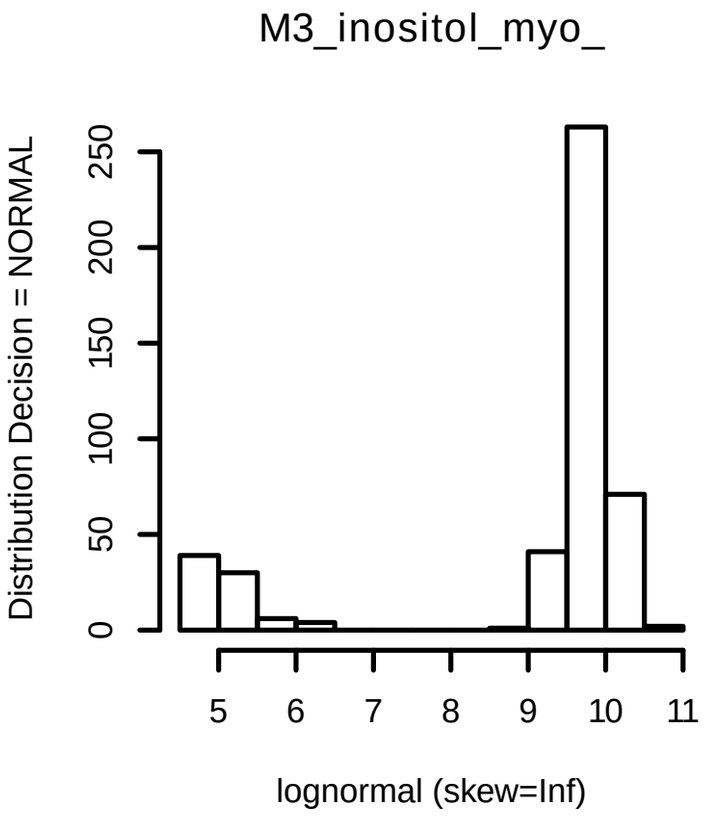

M3_pelargonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
20000
60000
normal (skew=0.31)

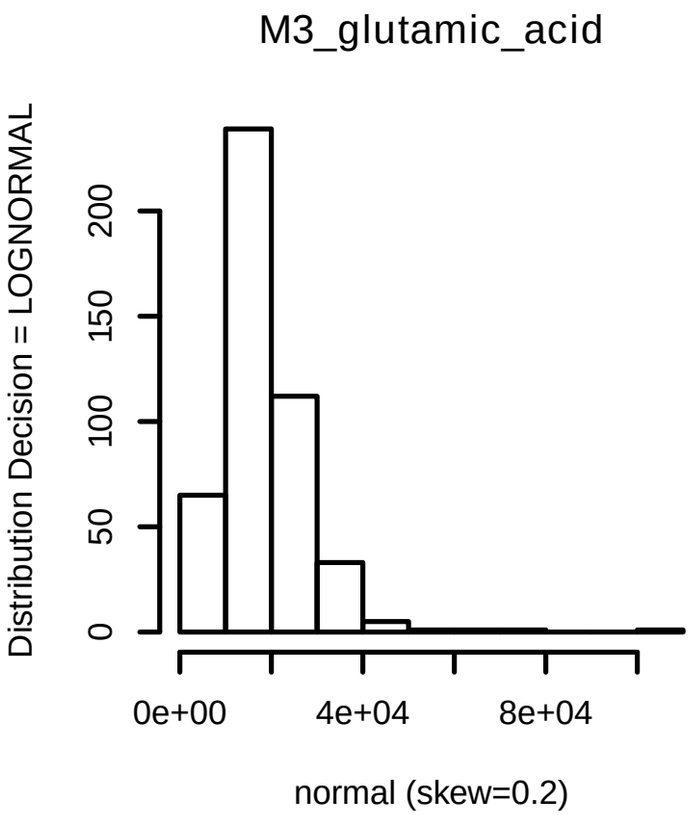

M3_pelargonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
7
8
9
10
11
lognormal (skew=0)

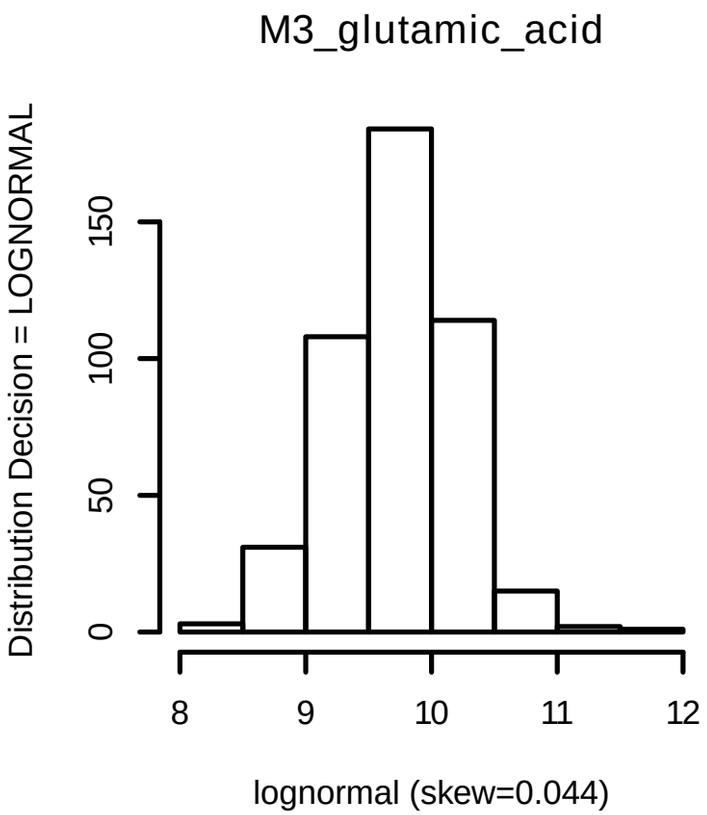

M3_histidine
Distribution Decision = NORMAL
0
50
100
150
0
20000
40000
60000
normal (skew=0.11)

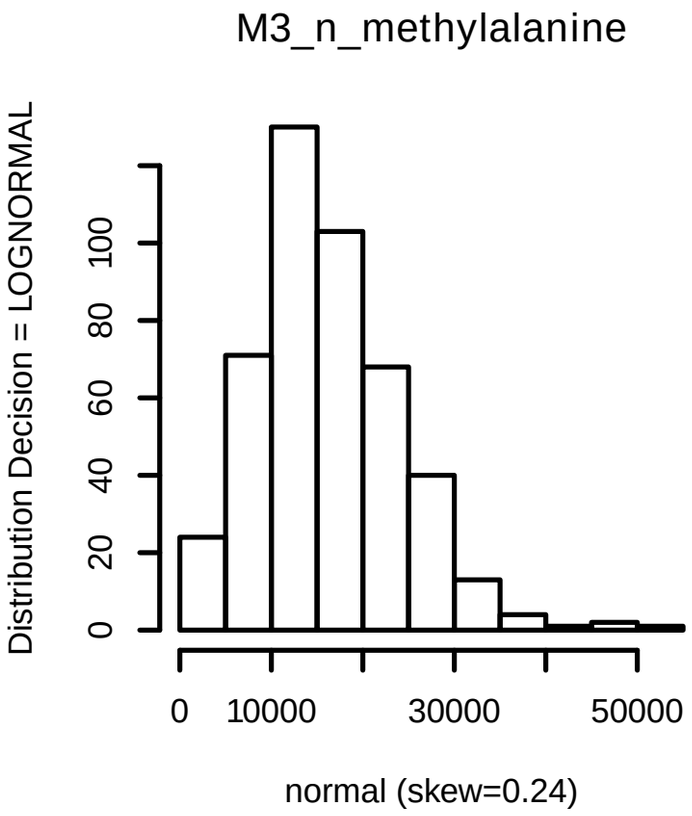

M3_histidine
Distribution Decision = NORMAL
0
20
40
60
80
100
5
6
7
8
9
10
11
lognormal (skew=1.4)

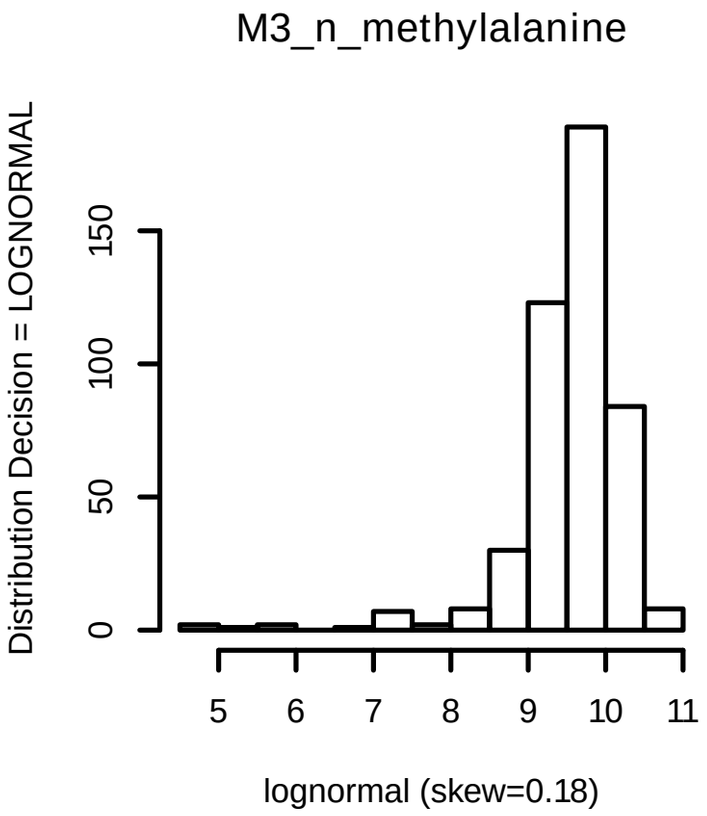

M3_inositol_myo_
Distribution Decision = NORMAL
0
50
100
150
0
10000
30000
50000
normal (skew=0.61)

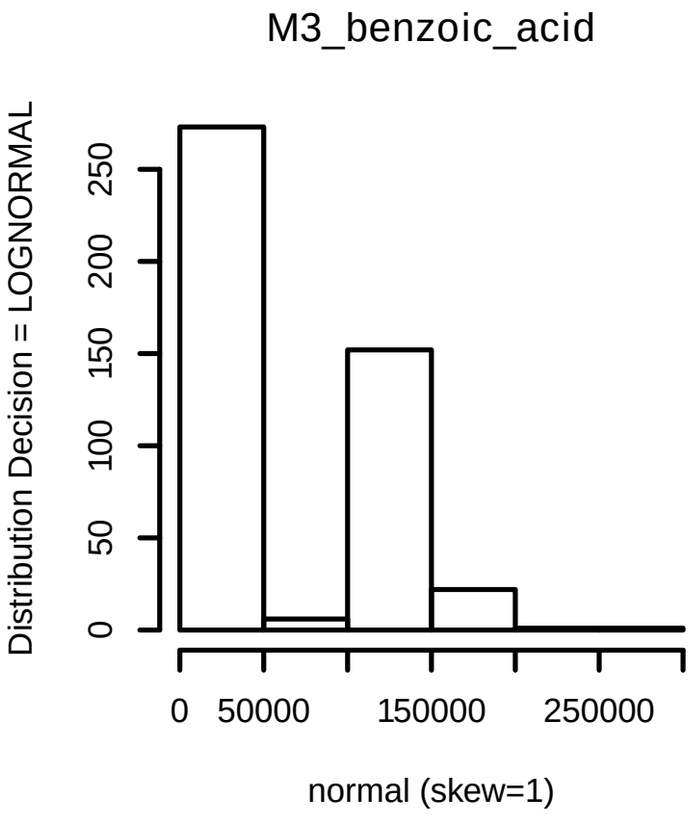

M3_inositol_myo_
Distribution Decision = NORMAL
0
50
100
150
200
250
5
6
7
8
9
10
11
lognormal (skew=Inf)

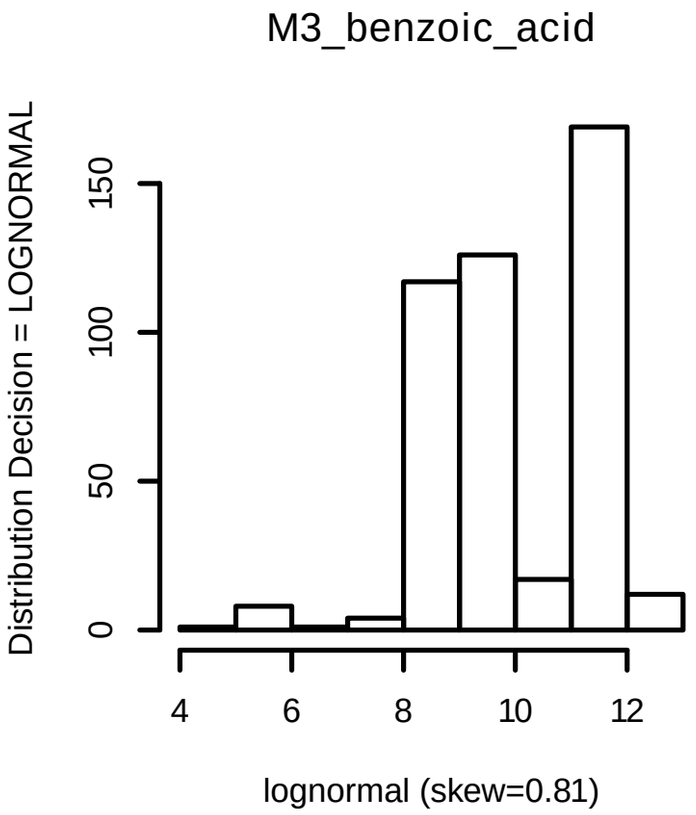

M3_glutamic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
0e+00
4e+04
8e+04
normal (skew=0.2)

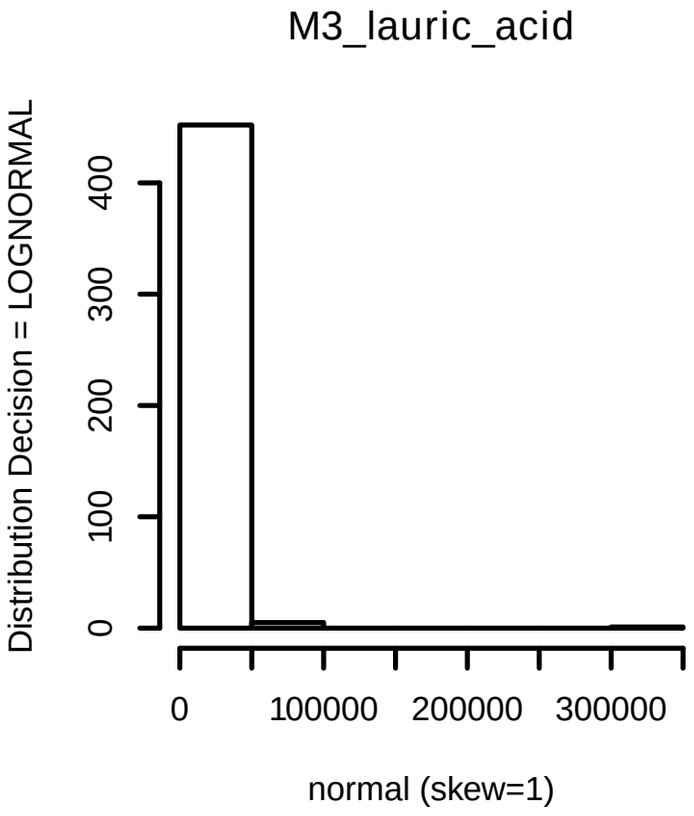

M3_glutamic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
8
9
10
11
12
lognormal (skew=0.044)

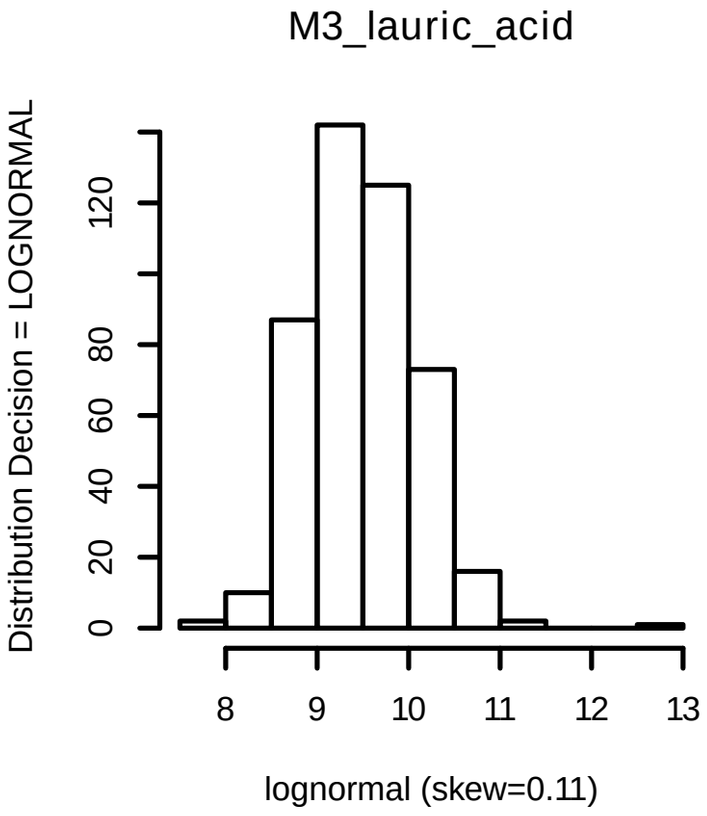

M3_n_methylalanine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
10000
30000
50000
normal (skew=0.24)

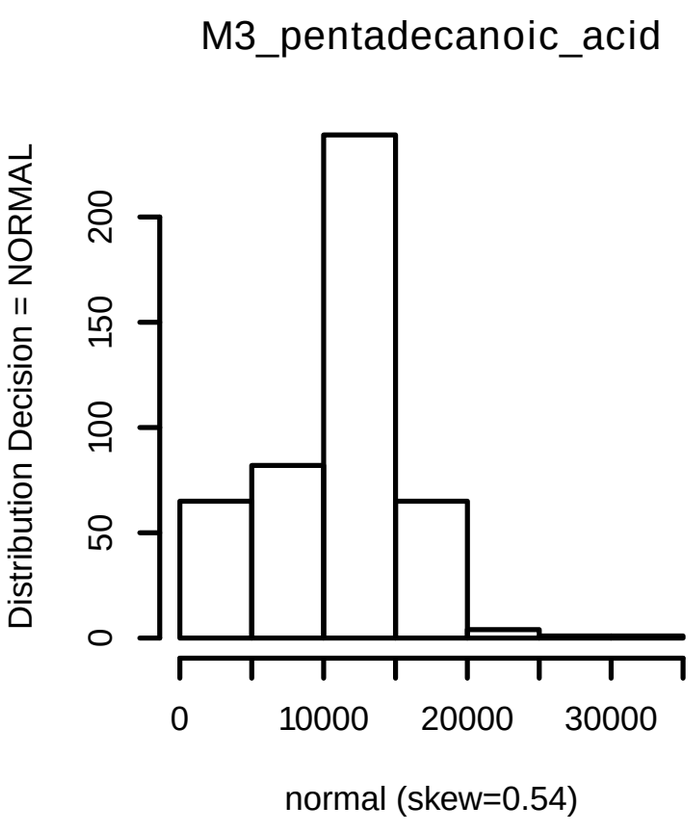

M3_n_methylalanine
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
10
11
lognormal (skew=0.18)

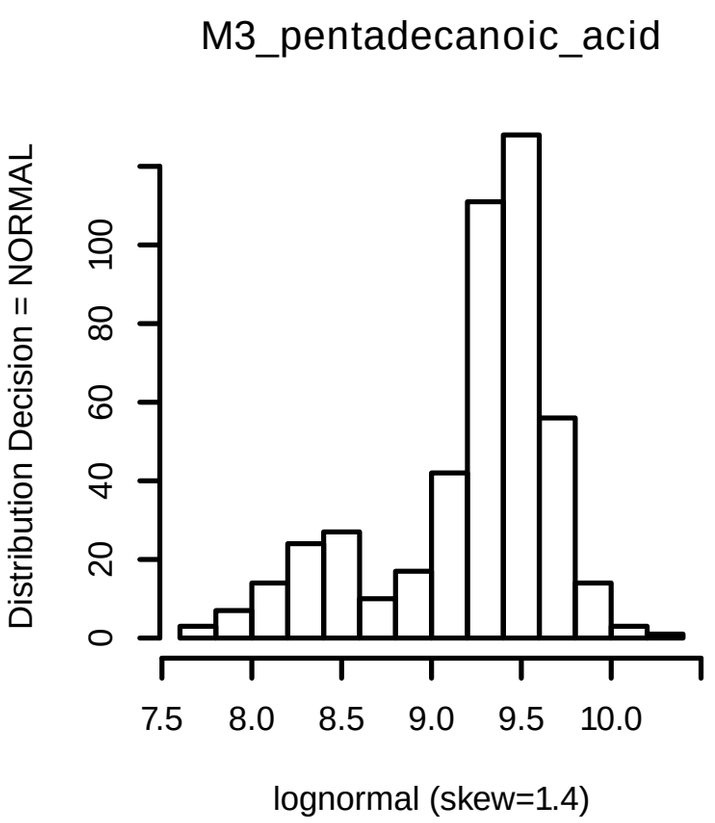

M3_benzoic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
50000
150000
250000
normal (skew=1)

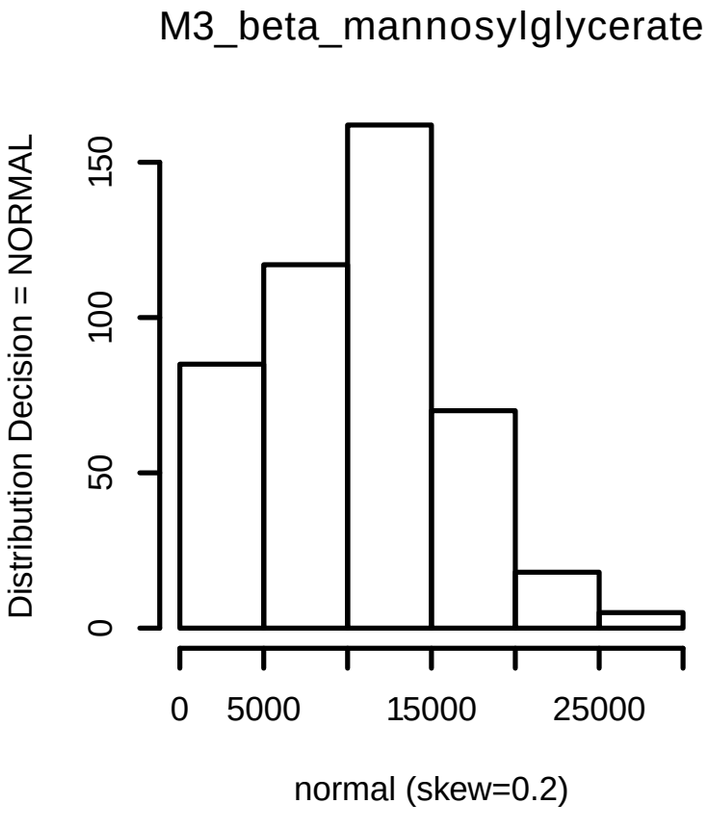

M3_benzoic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
4
6
8
10
12
lognormal (skew=0.81)

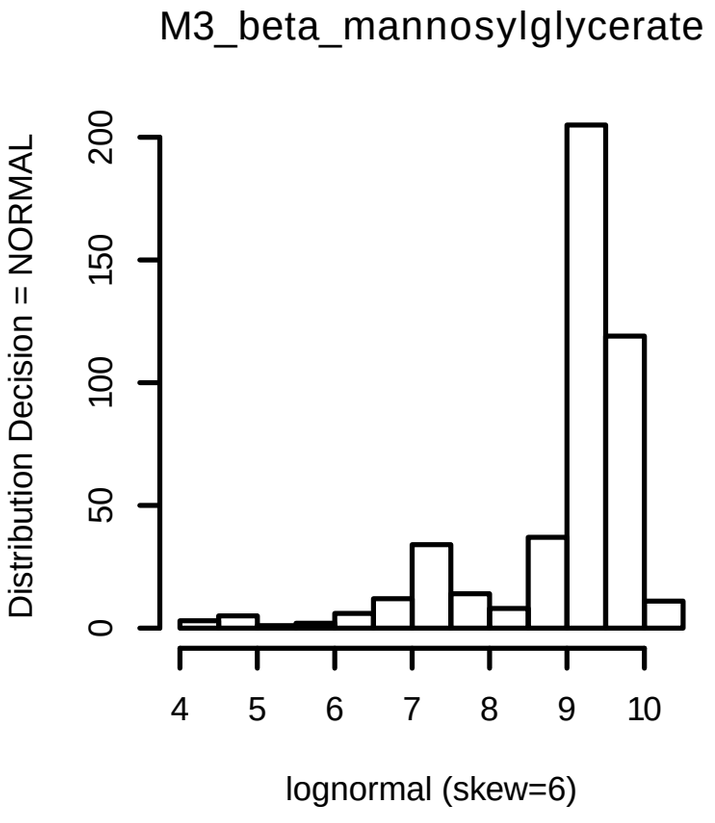

M3_lauric_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
100000
200000
300000
normal (skew=1)

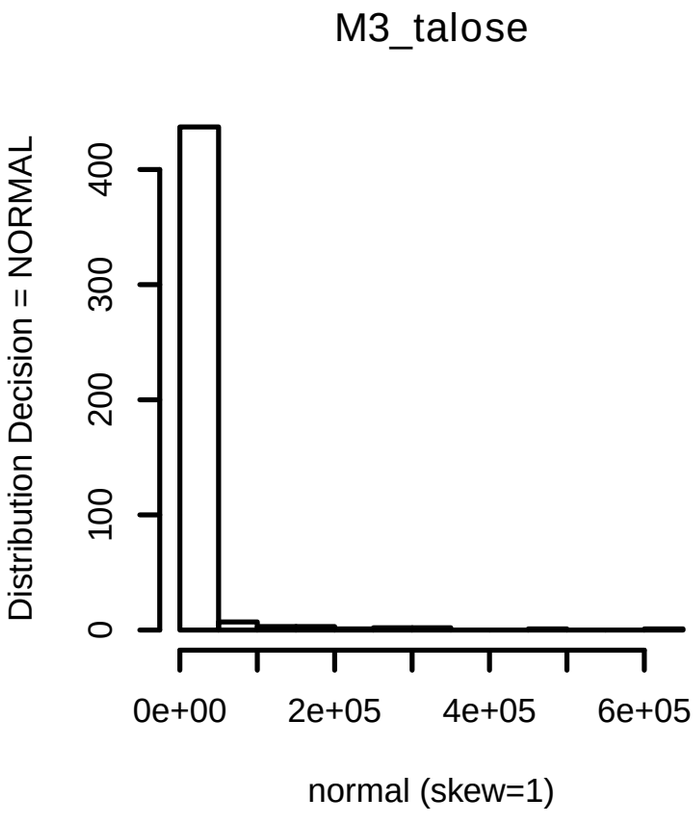

M3_lauric_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
8
9
10
11
12
13
lognormal (skew=0.11)

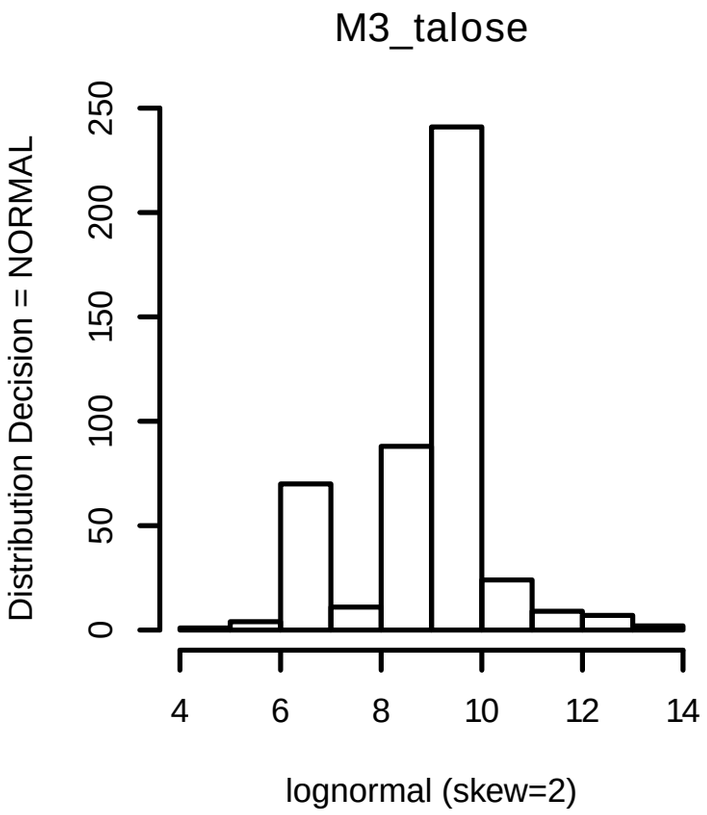

M3_pentadecanoic_acid
Distribution Decision = NORMAL
0
50
100
150
200
0
10000
20000
30000
normal (skew=0.54)

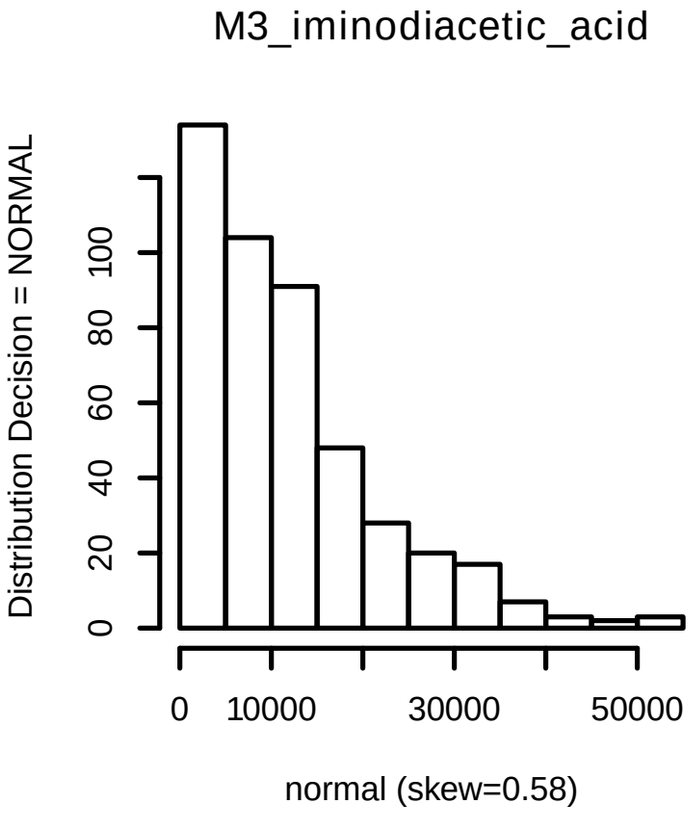

M3_pentadecanoic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
7.5
8.0
8.5
9.0
9.5
10.0
lognormal (skew=1.4)

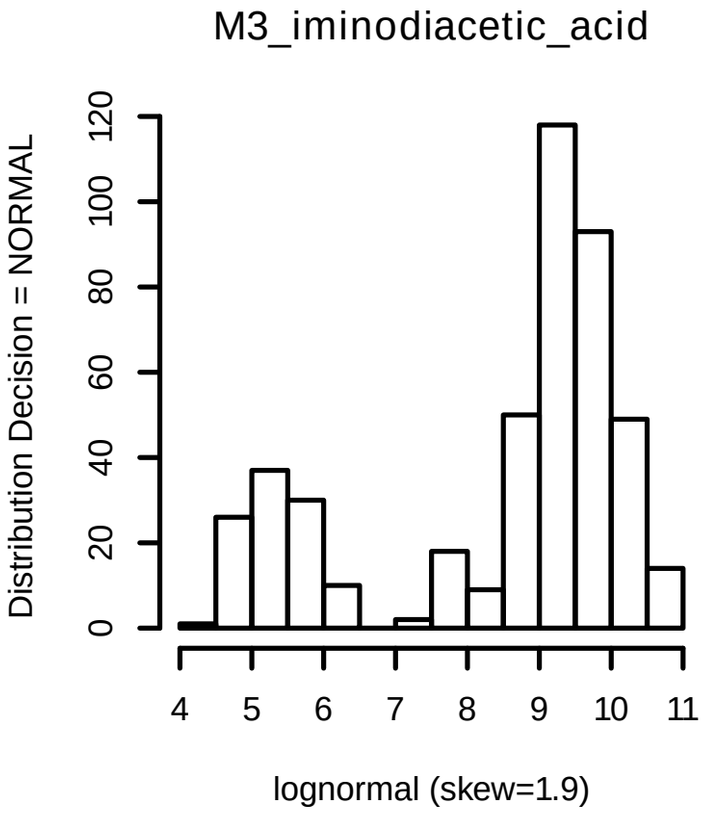

M3_beta_mannosylglycerate
Distribution Decision = NORMAL
0
50
100
150
0
5000
15000
25000
normal (skew=0.2)

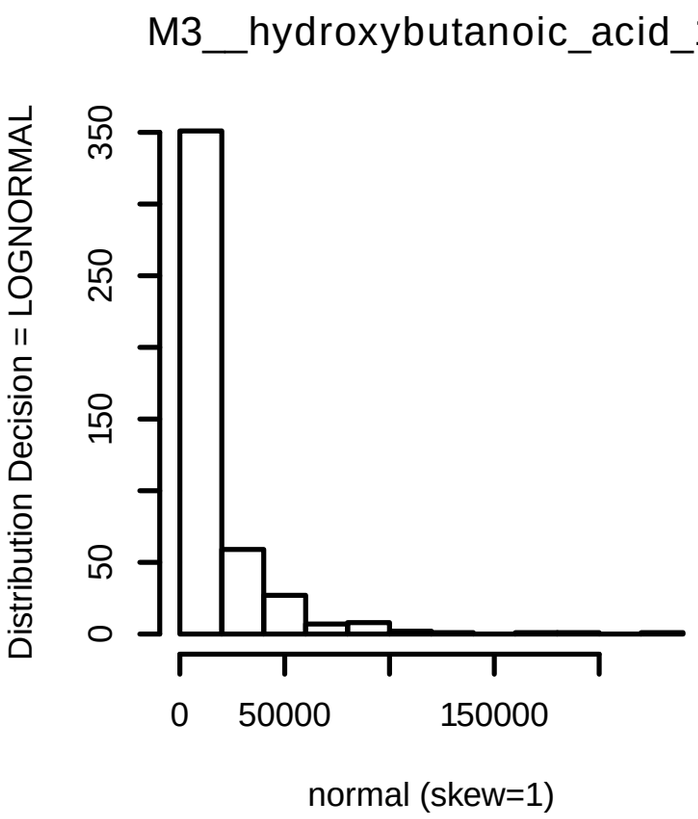

M3_beta_mannosylglycerate
Distribution Decision = NORMAL
0
50
100
150
200
4
5
6
7
8
9
10
lognormal (skew=6)

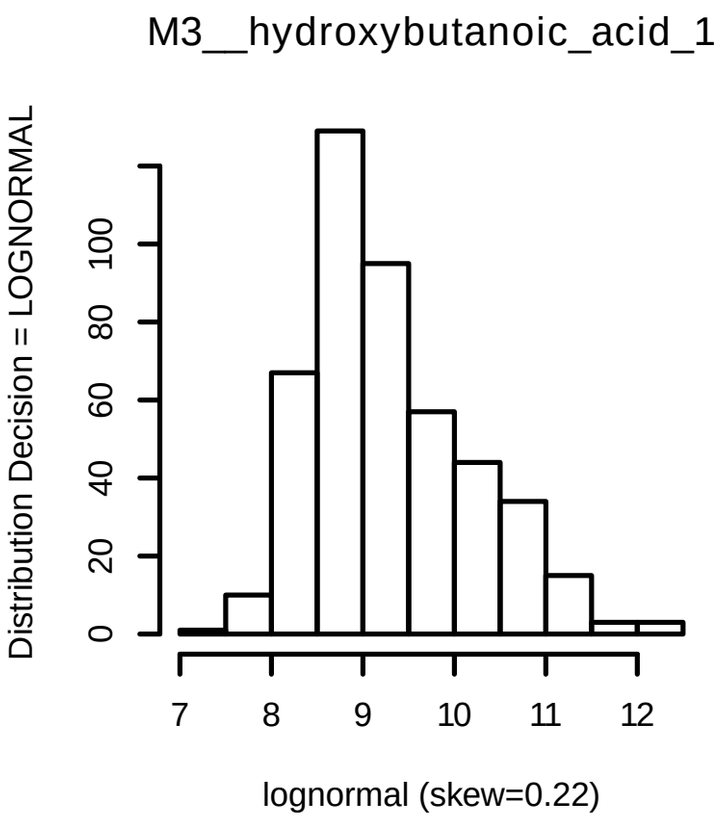

M3_talose
Distribution Decision = NORMAL
0
100
200
300
400
0e+00
2e+05
4e+05
6e+05
normal (skew=1)

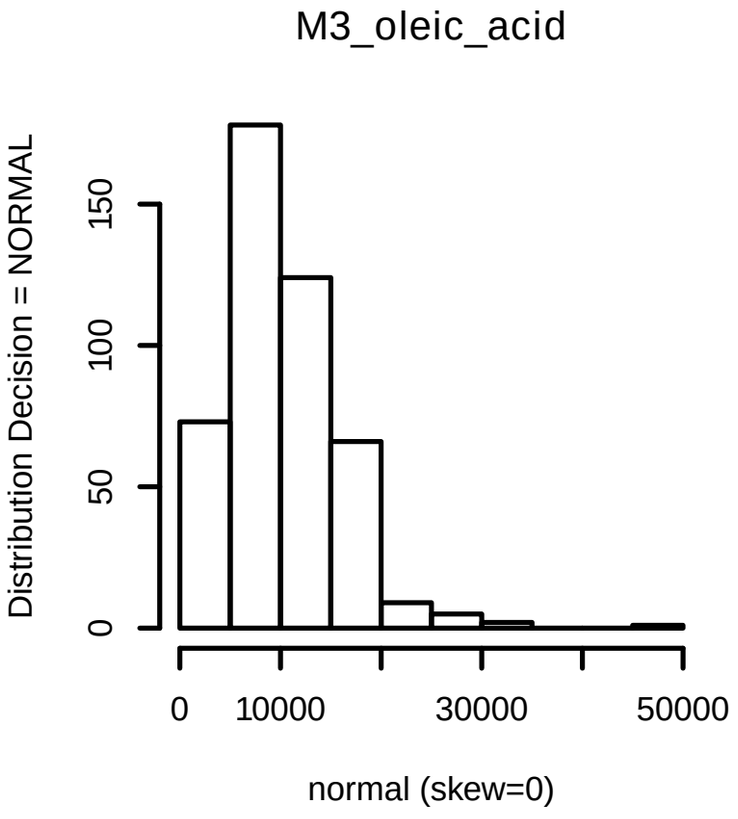

M3_talose
Distribution Decision = NORMAL
0
50
100
150
200
250
4
6
8
10
12
14
lognormal (skew=2)

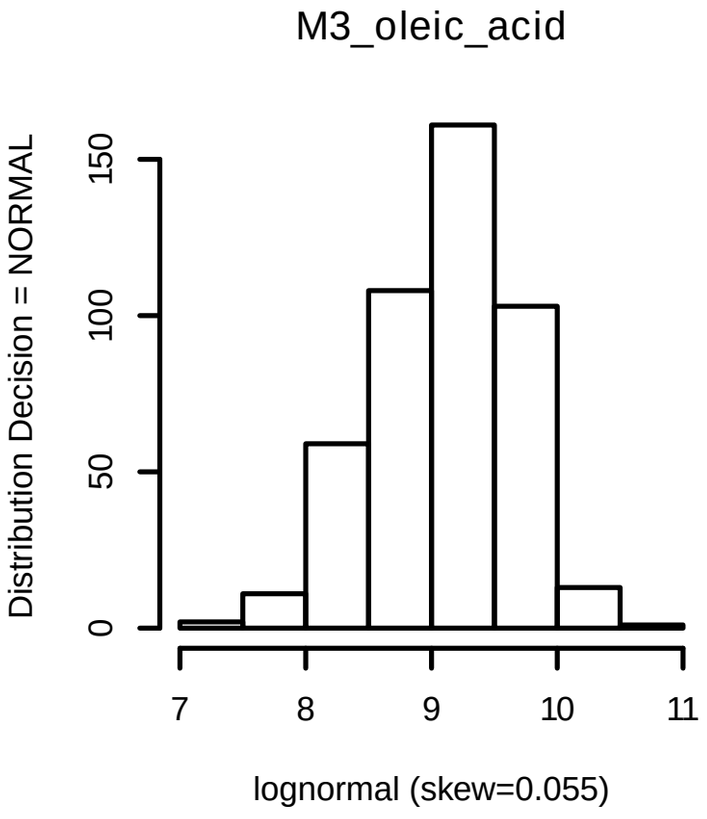

M3_iminodiacetic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
0
10000
30000
50000
normal (skew=0.58)

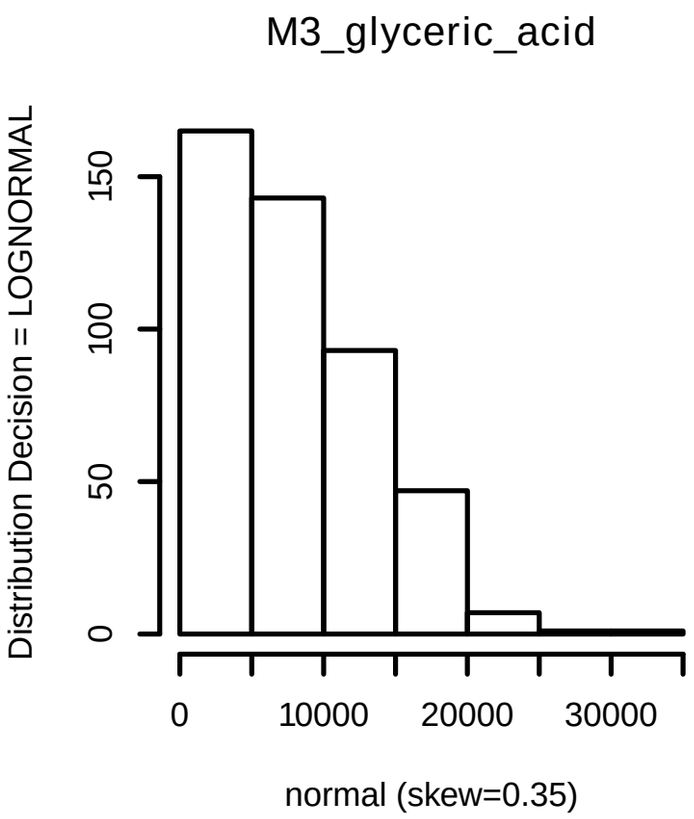

M3_iminodiacetic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
120
4
5
6
7
8
9
10
11
lognormal (skew=1.9)

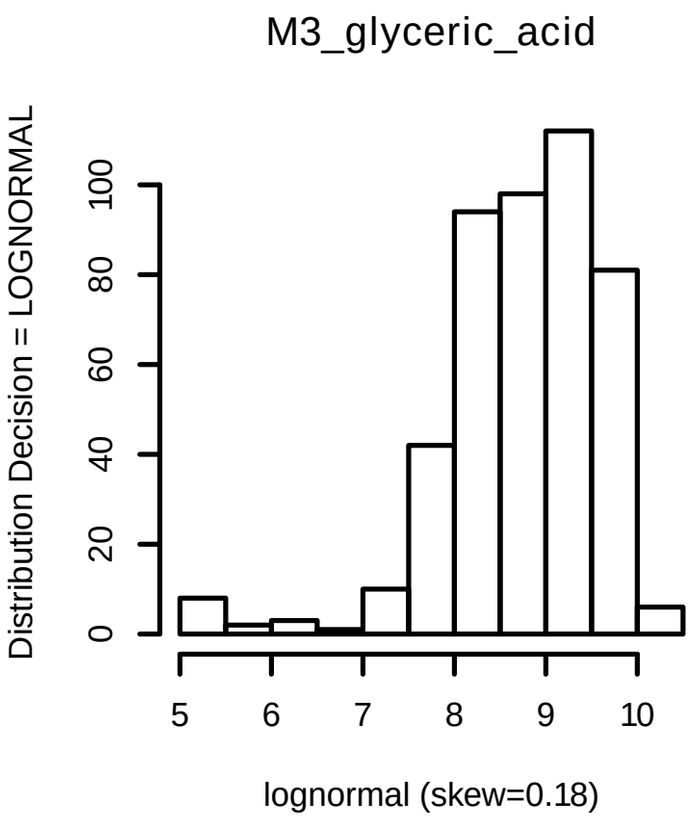

M3__hydroxybutanoic_acid_1
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
50000
150000
normal (skew=1)

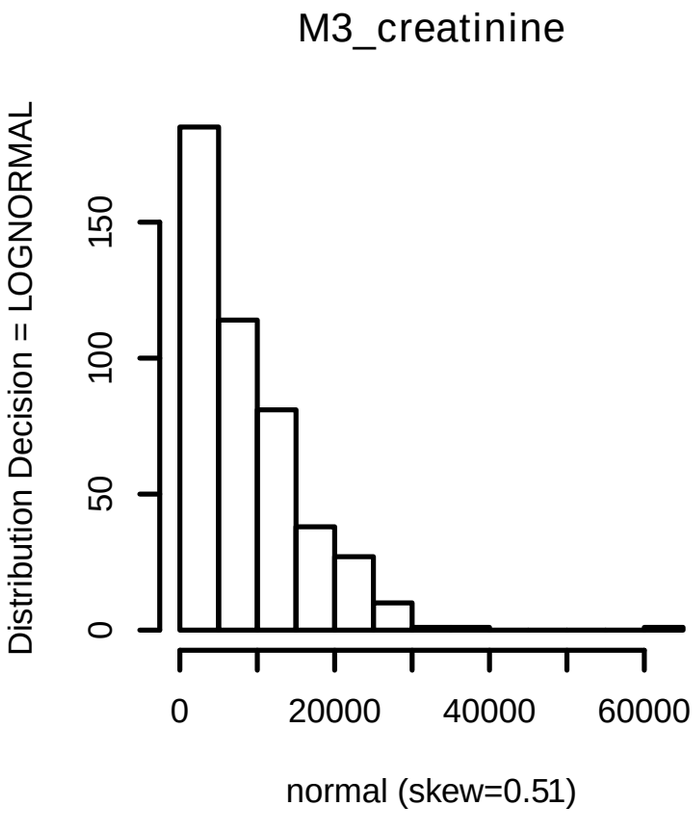

M3__hydroxybutanoic_acid_1
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
7
8
9
10
11
12
lognormal (skew=0.22)

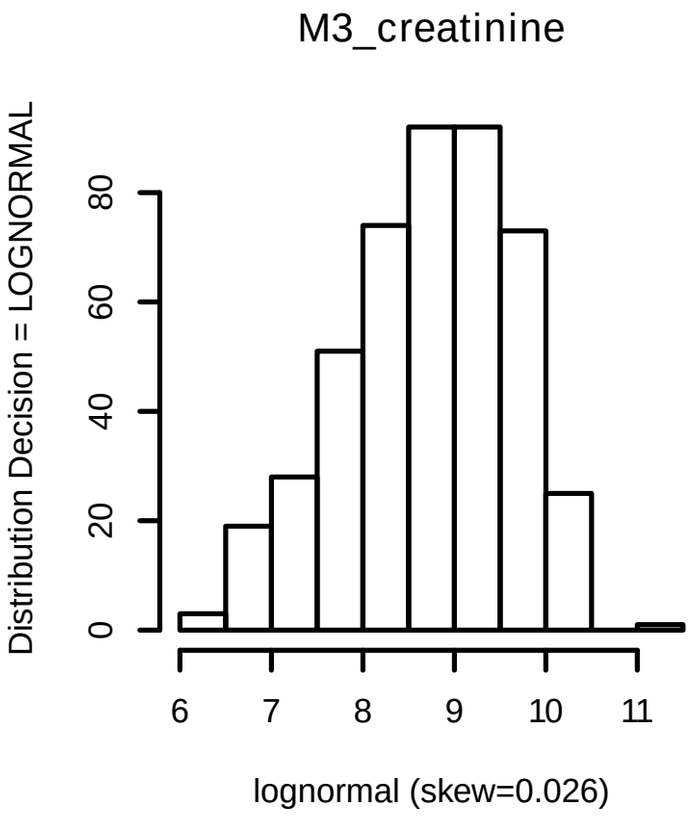

M3_oleic_acid
Distribution Decision = NORMAL
0
50
100
150
0
10000
30000
50000
normal (skew=0)

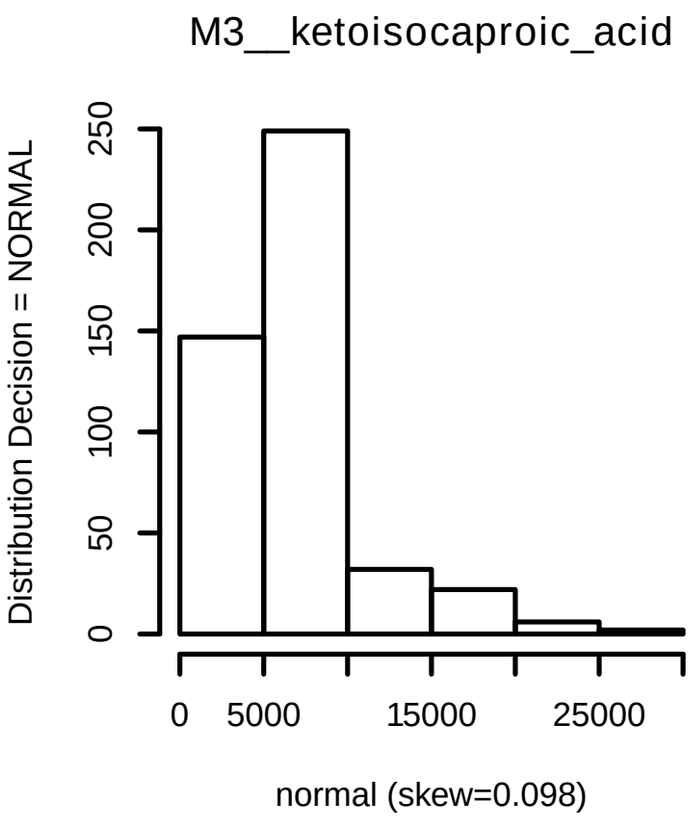

M3_oleic_acid
Distribution Decision = NORMAL
0
50
100
150
7
8
9
10
11
lognormal (skew=0.055)

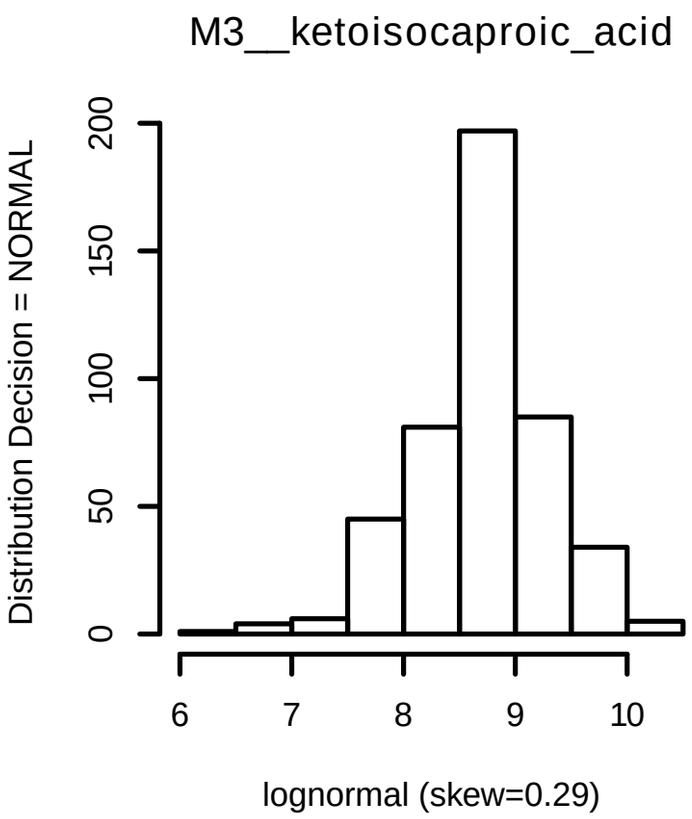

M3_glyceric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
10000
20000
30000
normal (skew=0.35)

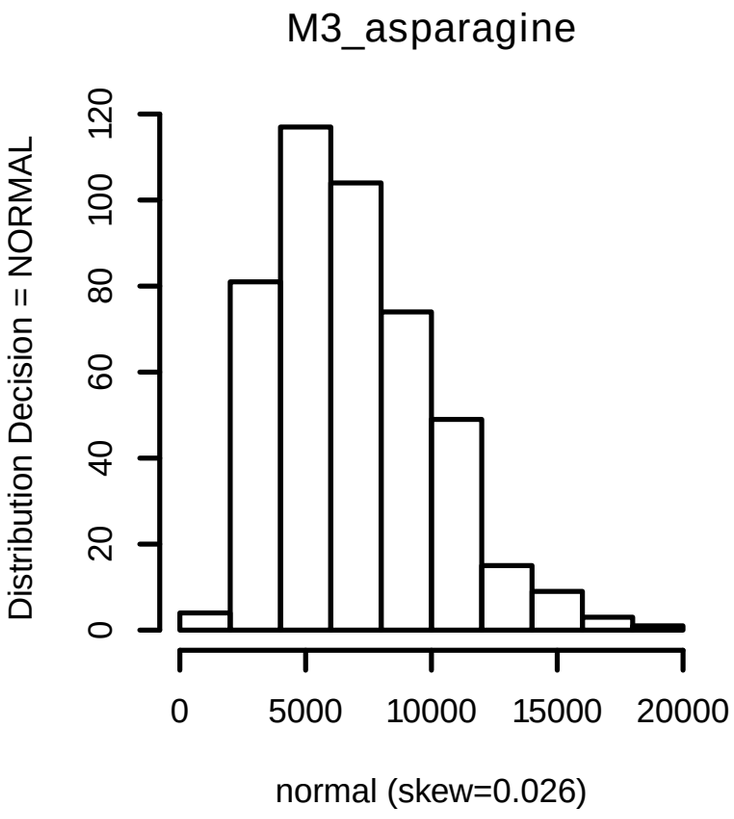

M3_glyceric_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
10
lognormal (skew=0.18)

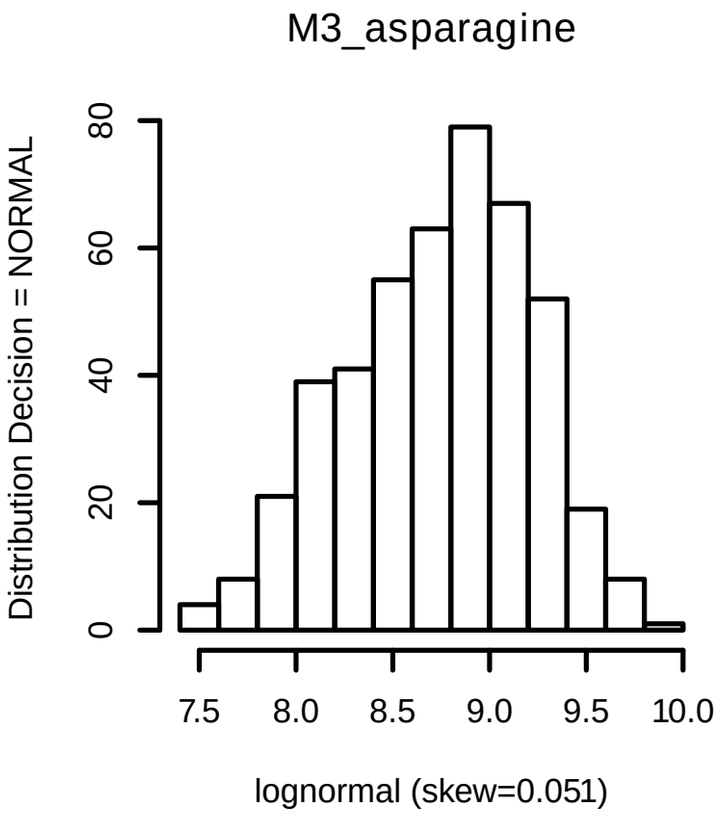

M3_creatinine
Distribution Decision = LOGNORMAL
0
50
100
150
0
20000
40000
60000
normal (skew=0.51)

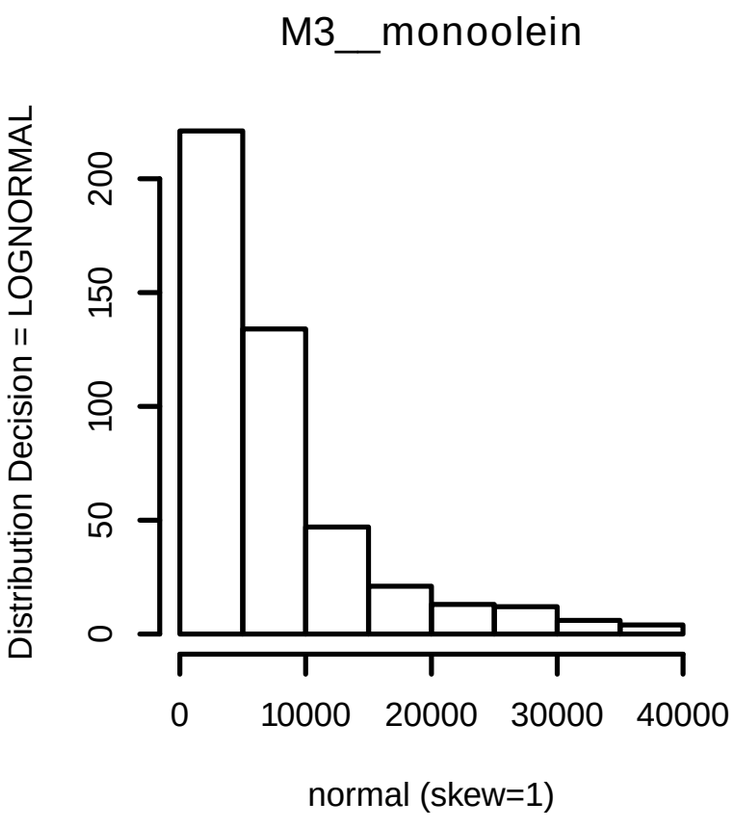

M3_creatinine
Distribution Decision = LOGNORMAL
0
20
40
60
80
6
7
8
9
10
11
lognormal (skew=0.026)

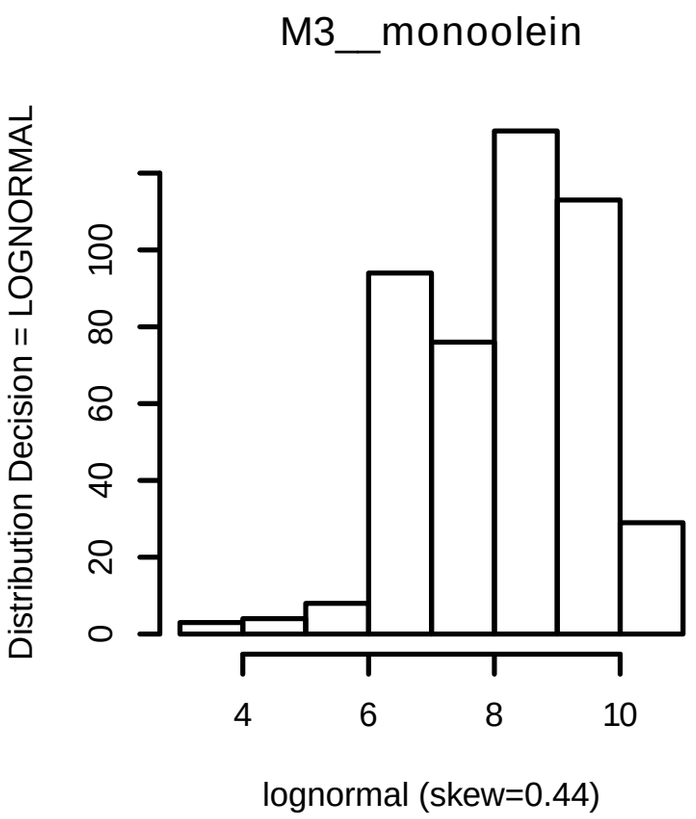

M3__ketoisocaproic_acid
Distribution Decision = NORMAL
0
50
100
150
200
250
0
5000
15000
25000
normal (skew=0.098)

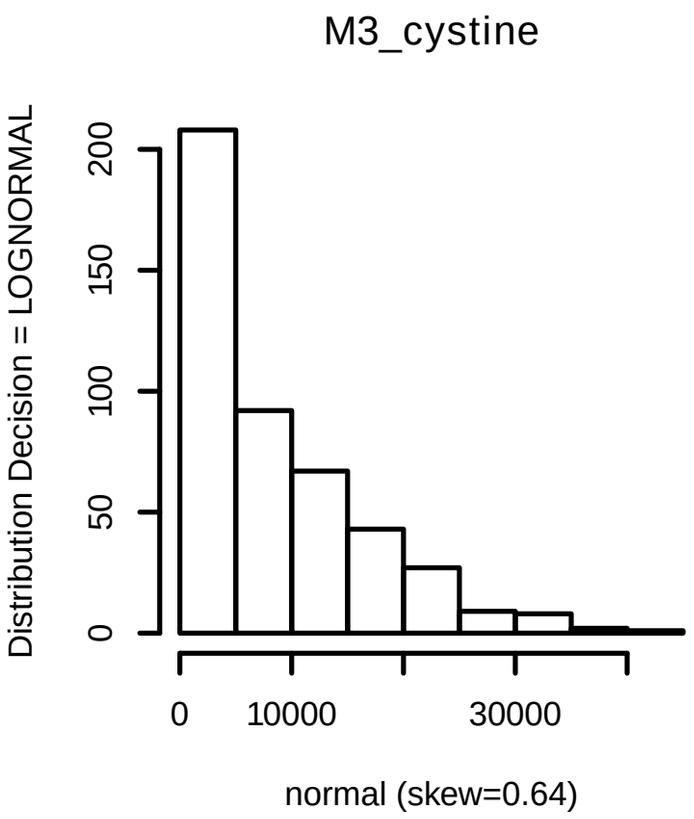

M3__ketoisocaproic_acid
Distribution Decision = NORMAL
0
50
100
150
200
6
7
8
9
10
lognormal (skew=0.29)

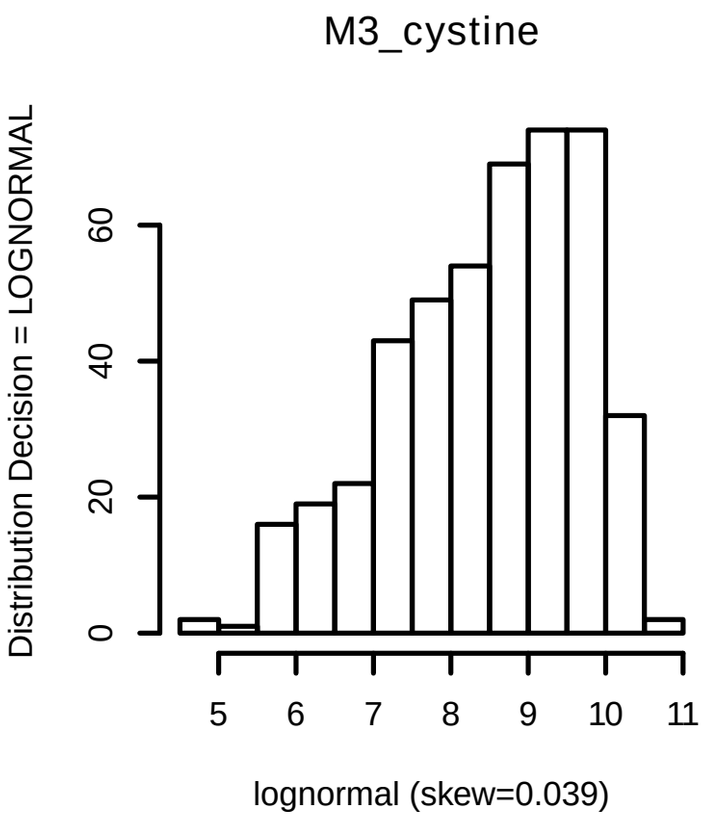

M3_asparagine
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
5000
10000
15000
20000
normal (skew=0.026)

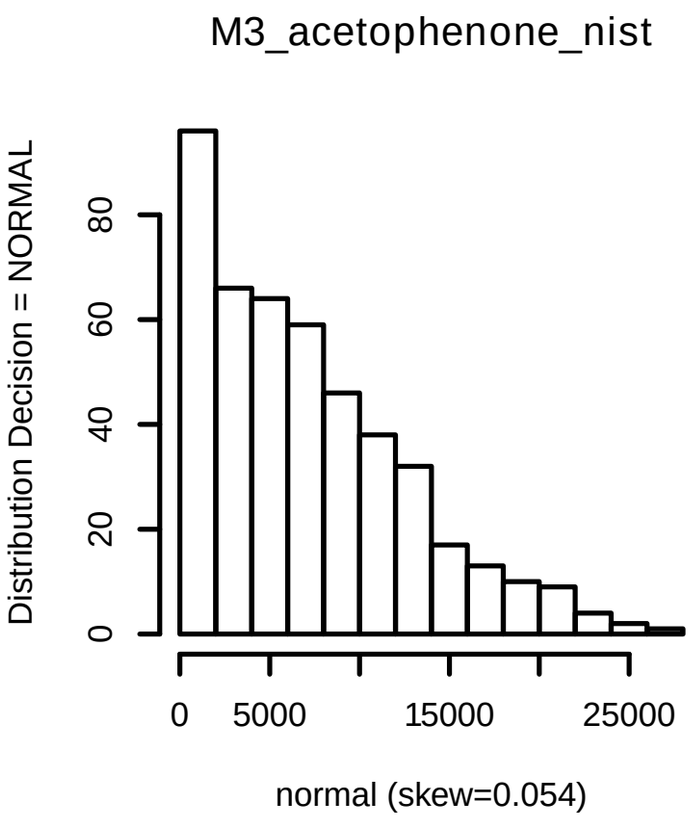

M3_asparagine
Distribution Decision = NORMAL
0
20
40
60
80
7.5
8.0
8.5
9.0
9.5
10.0
lognormal (skew=0.051)

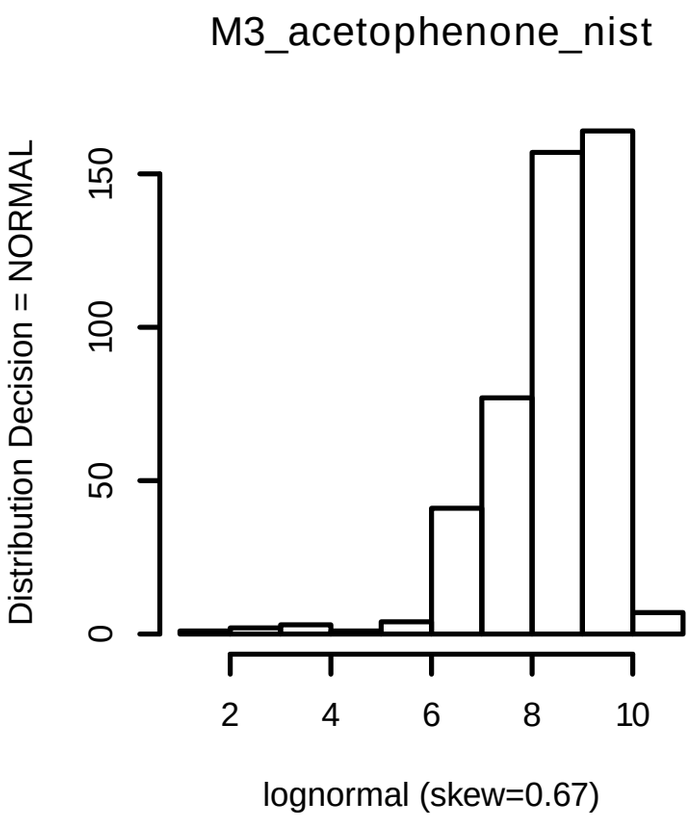

M3__monoolein
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
10000
20000
30000
40000
normal (skew=1)

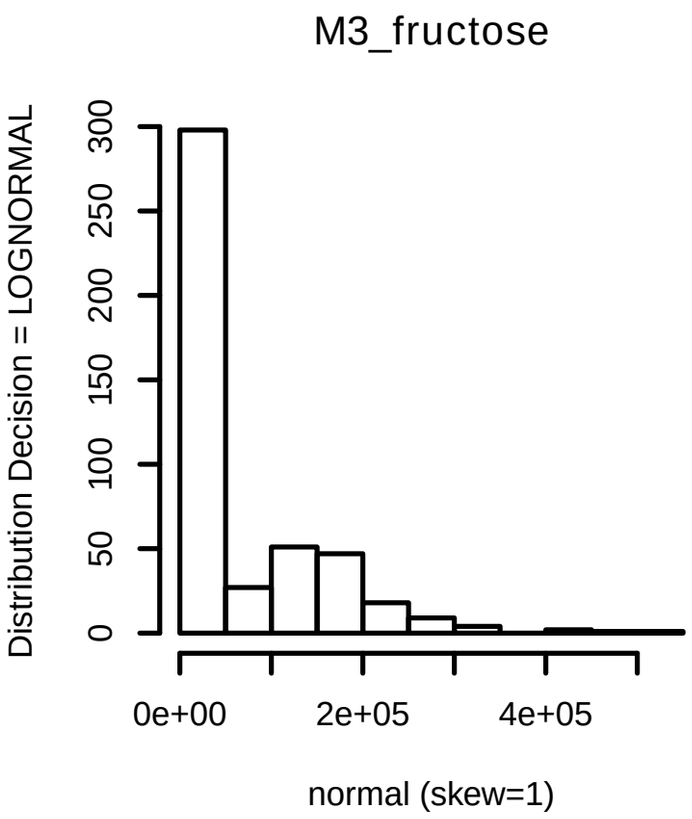

M3__monoolein
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
6
8
10
lognormal (skew=0.44)

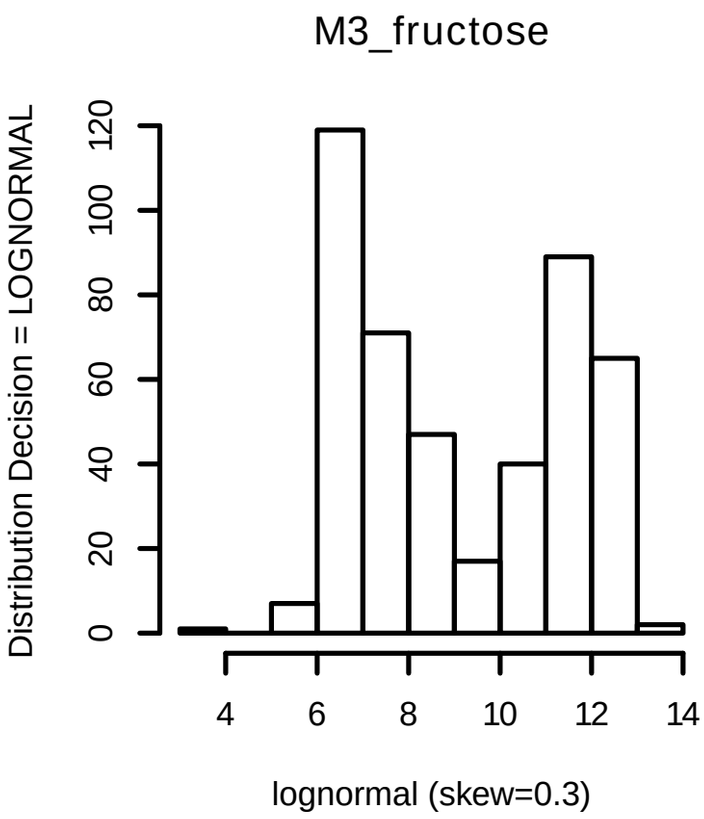

M3_cystine
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
10000
30000
normal (skew=0.64)

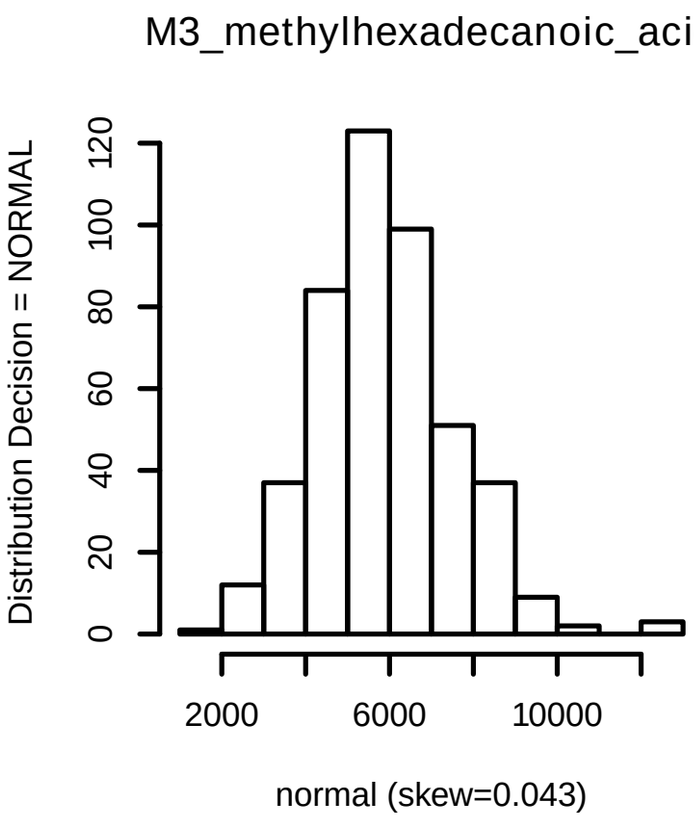

M3_cystine
Distribution Decision = LOGNORMAL
0
20
40
60
5
6
7
8
9
10
11
lognormal (skew=0.039)

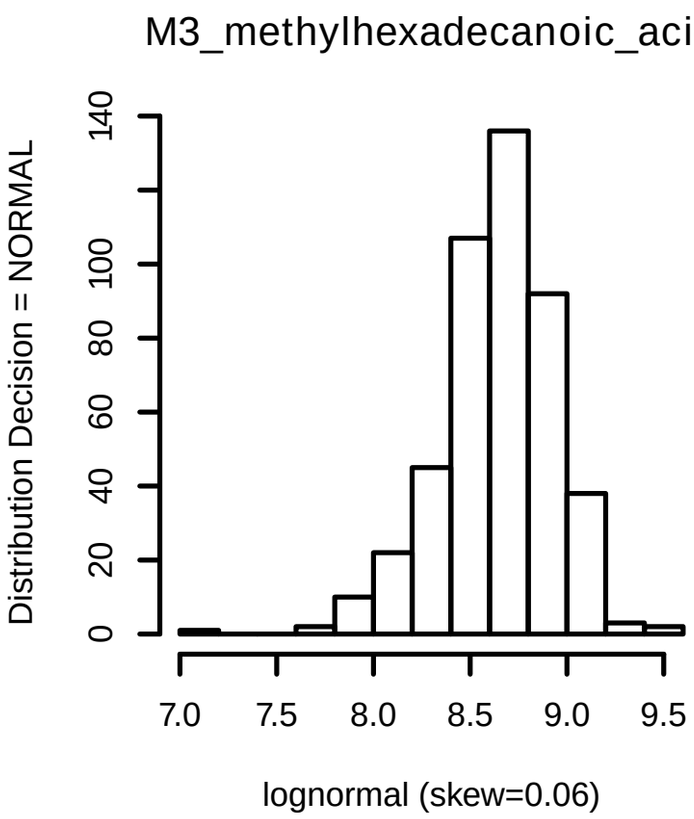

M3_acetophenone_nist
Distribution Decision = NORMAL
0
20
40
60
80
0
5000
15000
25000
normal (skew=0.054)

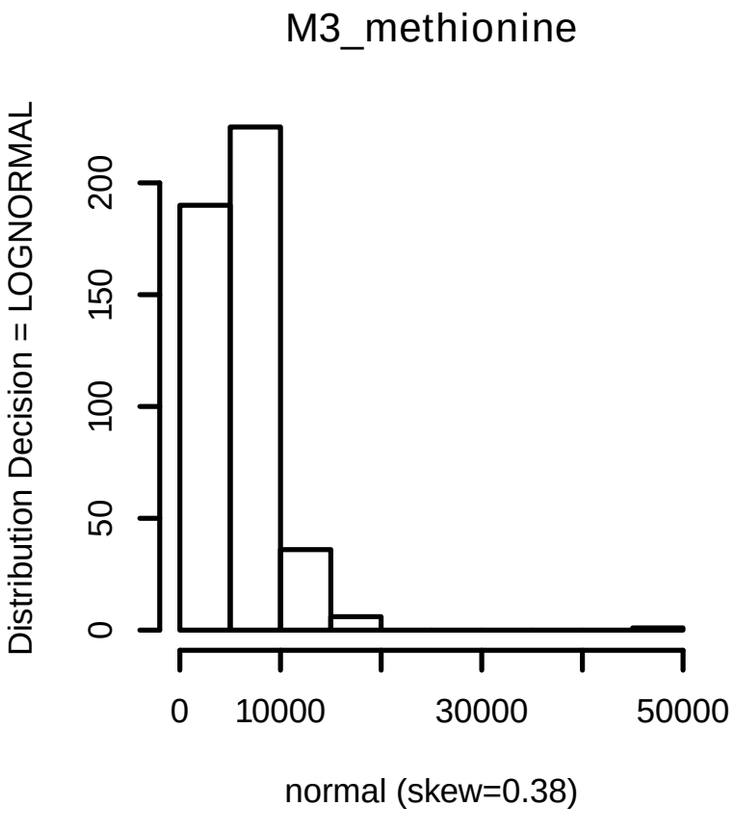

M3_acetophenone_nist
Distribution Decision = NORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.67)

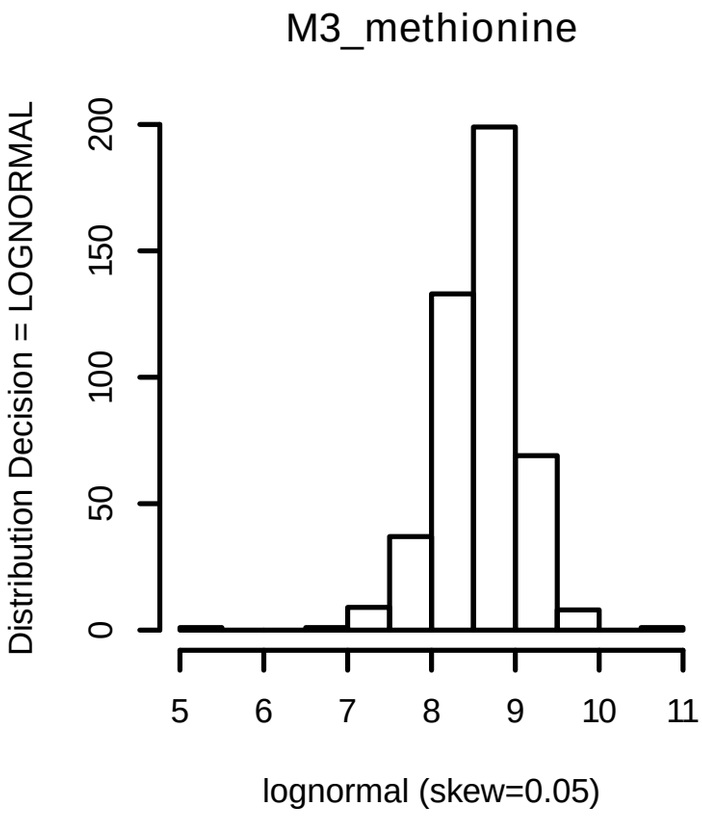

M3_fructose
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0e+00
2e+05
4e+05
normal (skew=1)

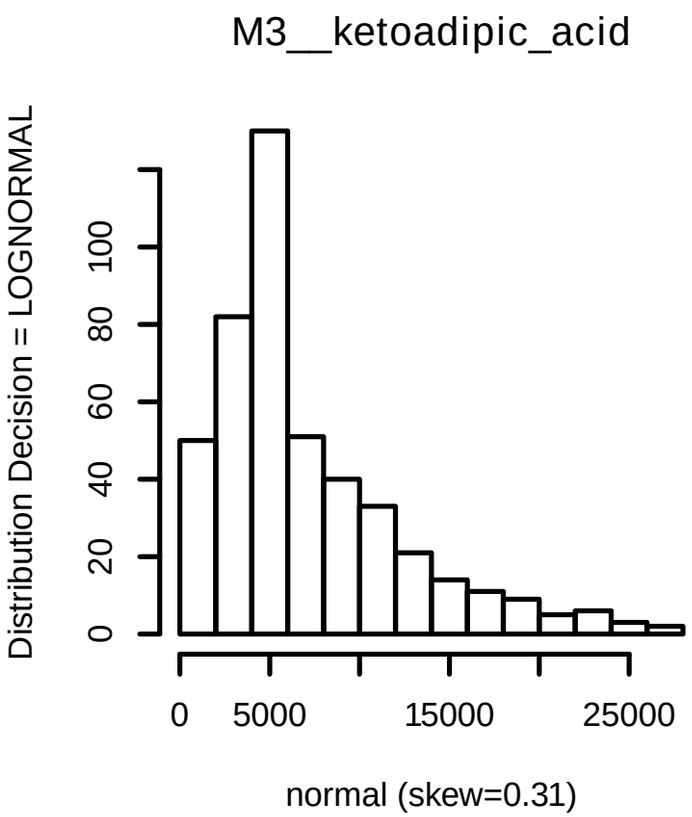

M3_fructose
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
4
6
8
10
12
14
lognormal (skew=0.3)

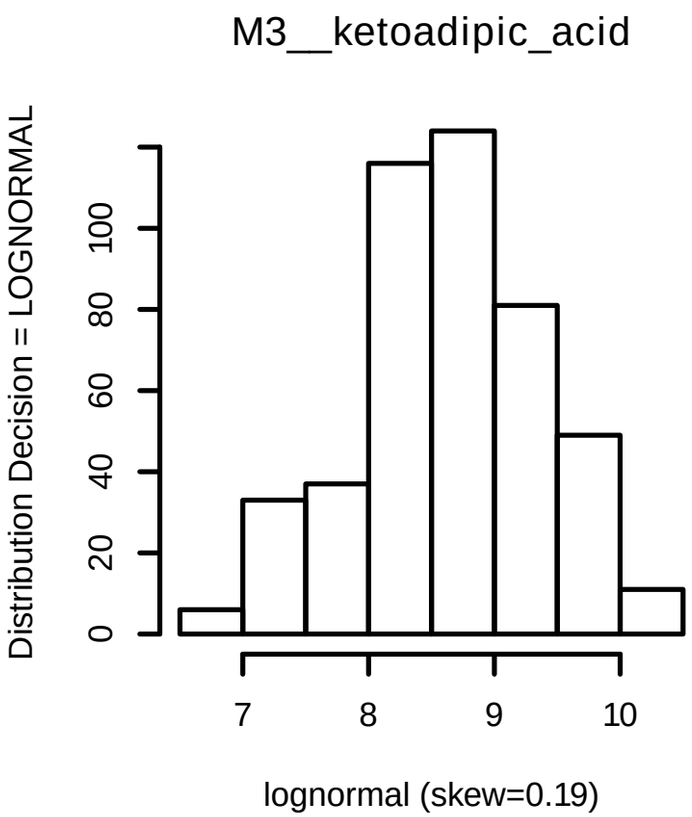

M3_methylhexadecanoic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
120
2000
6000
10000
normal (skew=0.043)

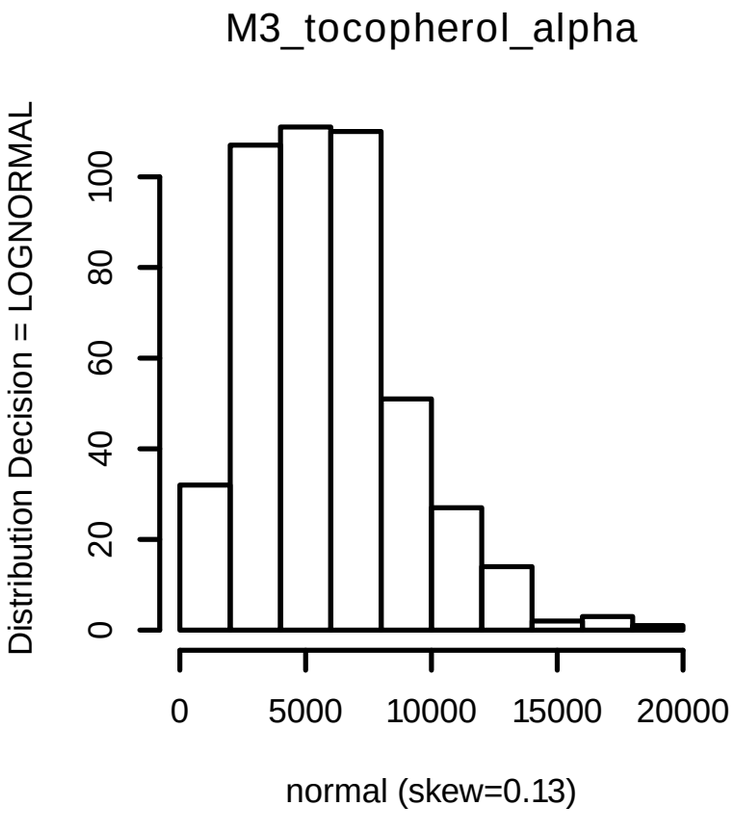

M3_methylhexadecanoic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
140
7.0
7.5
8.0
8.5
9.0
9.5
lognormal (skew=0.06)

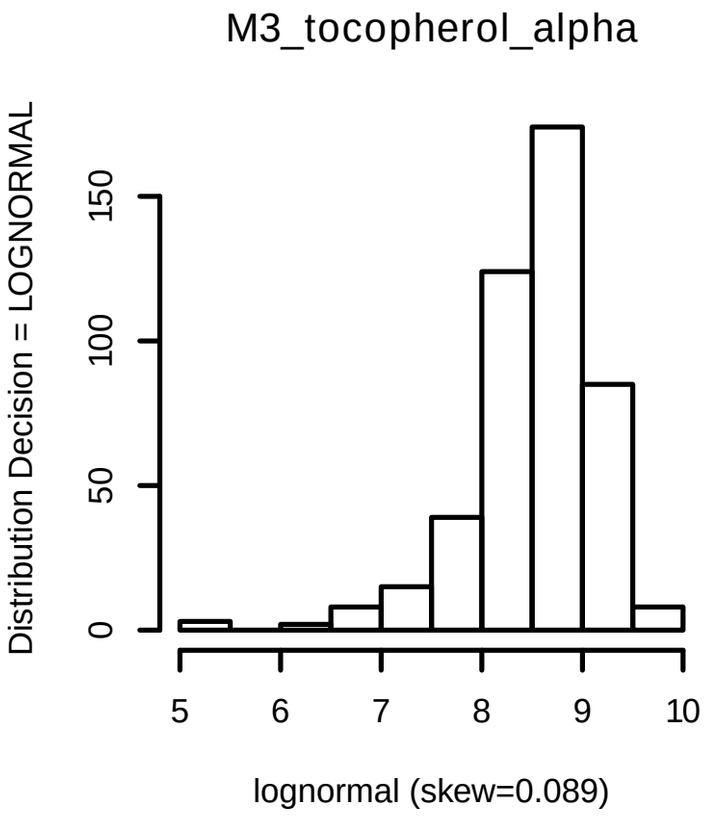

M3_methionine
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
10000
30000
50000
normal (skew=0.38)

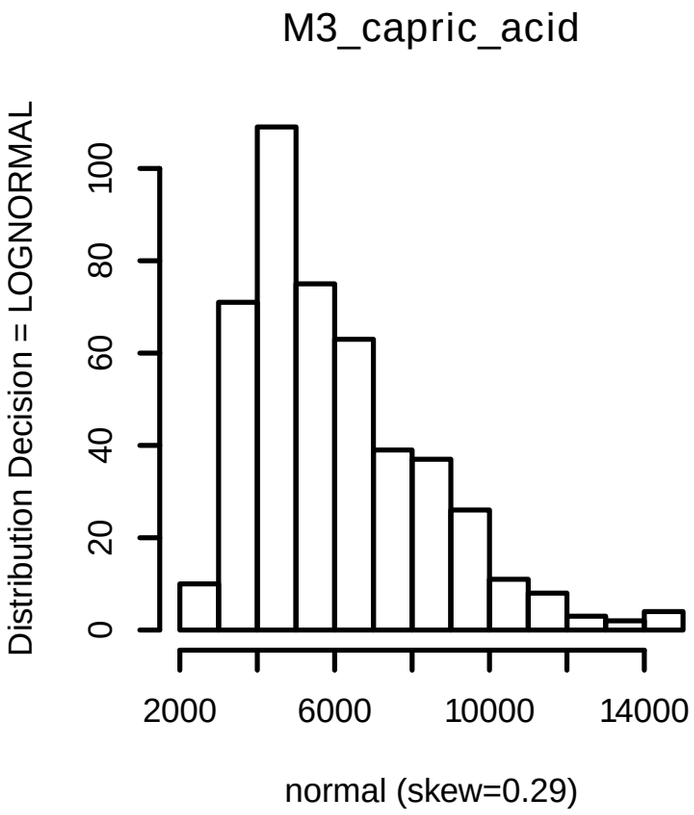

M3_methionine
Distribution Decision = LOGNORMAL
0
50
100
150
200
5
6
7
8
9
10
11
lognormal (skew=0.05)

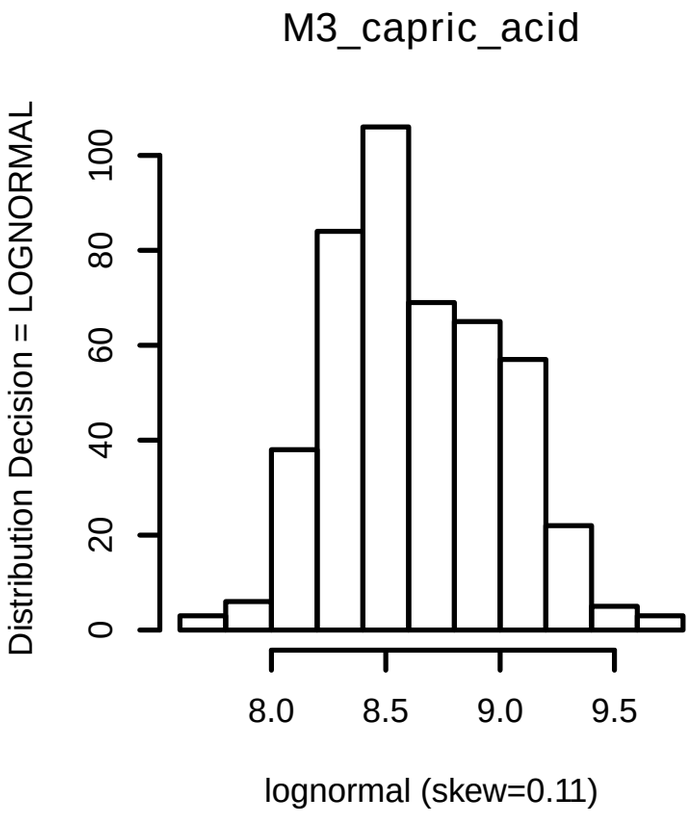

M3__ketoadipic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
5000
15000
25000
normal (skew=0.31)

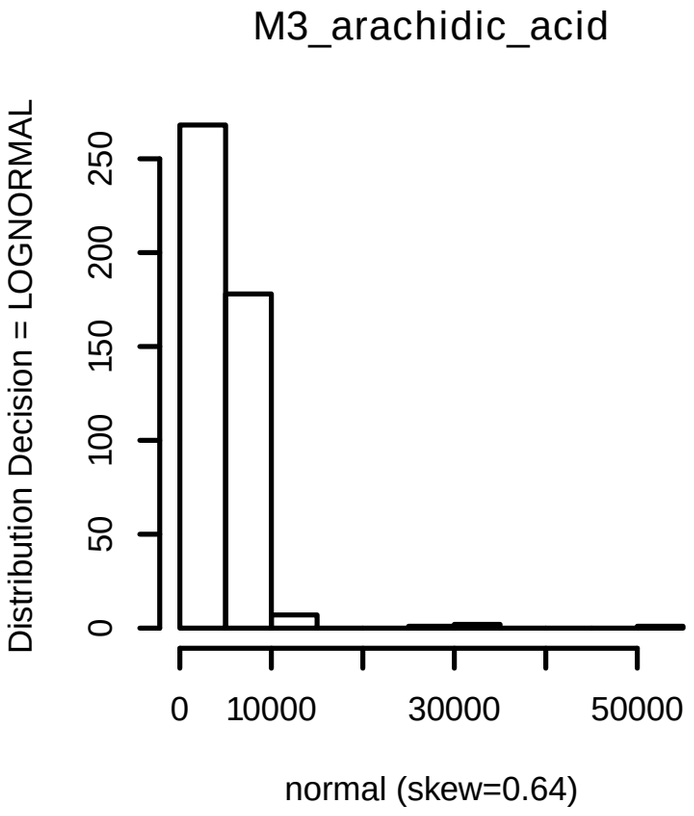

M3__ketoadipic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
7
8
9
10
lognormal (skew=0.19)

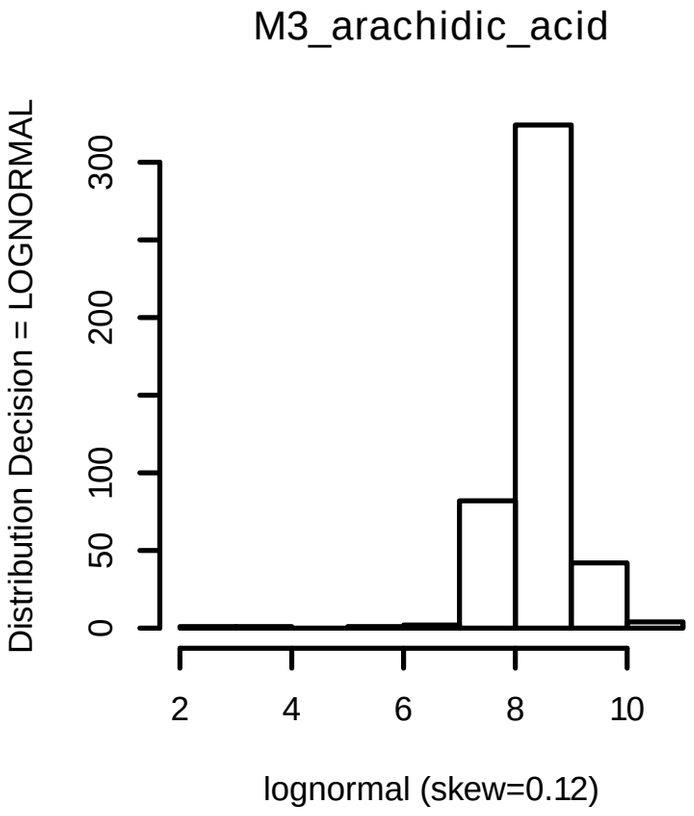

M3_tocopherol_alpha
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
5000
10000
15000
20000
normal (skew=0.13)

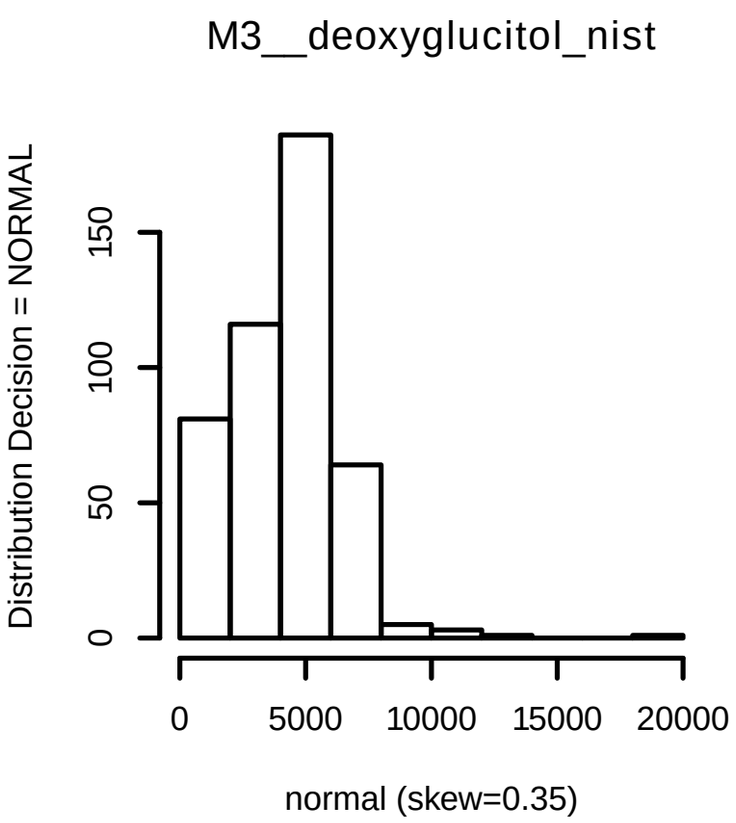

M3_tocopherol_alpha
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
10
lognormal (skew=0.089)

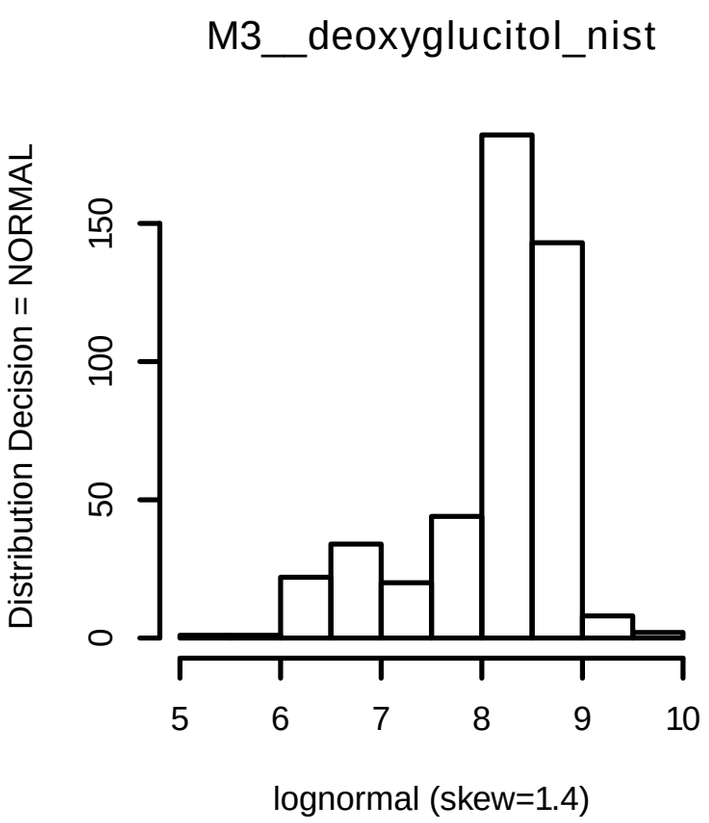

M3_capric_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
2000
6000
10000
14000
normal (skew=0.29)

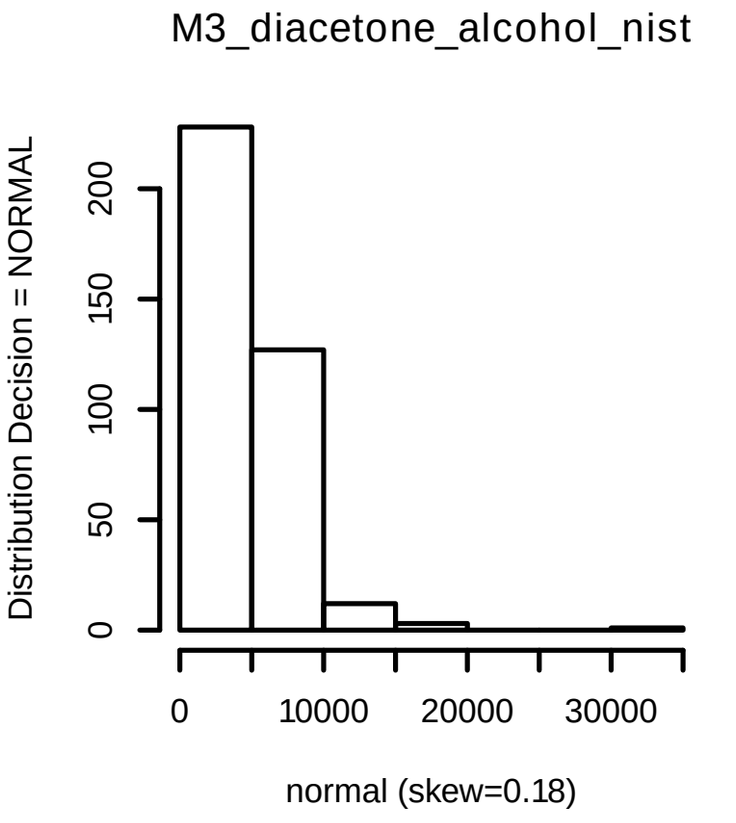

M3_capric_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
8.0
8.5
9.0
9.5
lognormal (skew=0.11)

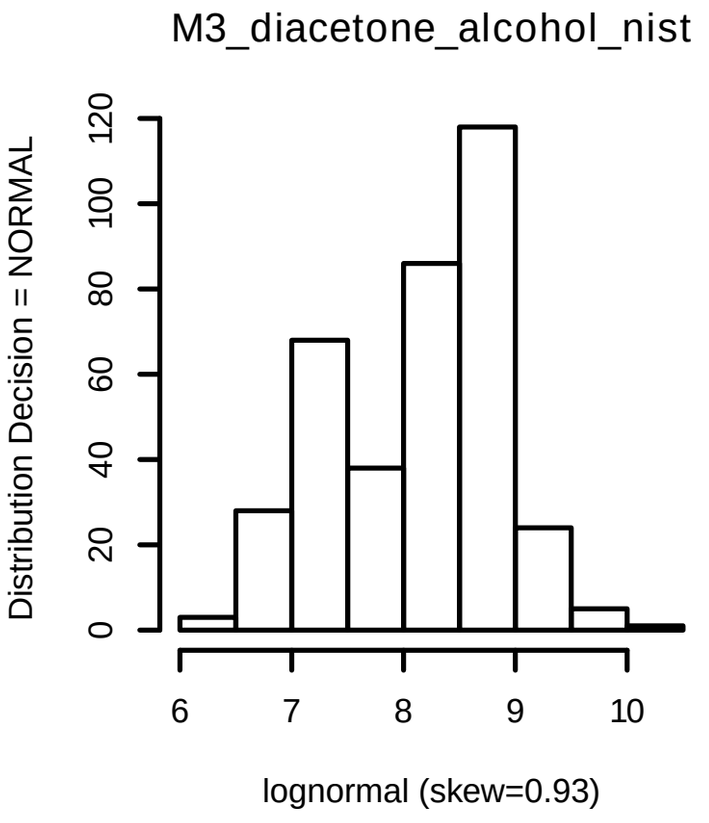

M3_arachidic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
10000
30000
50000
normal (skew=0.64)

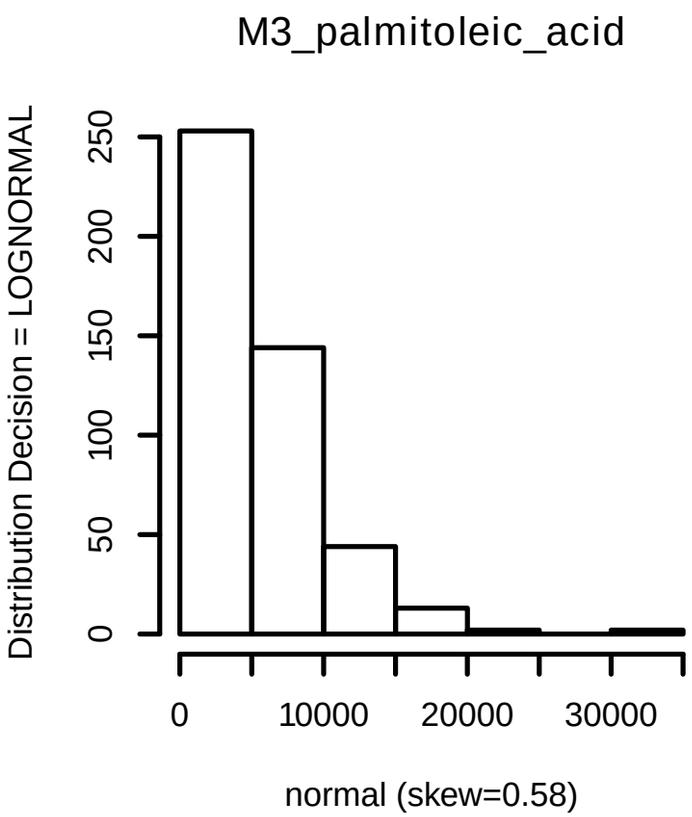

M3_arachidic_acid
Distribution Decision = LOGNORMAL
0
50
100
200
300
2
4
6
8
10
lognormal (skew=0.12)

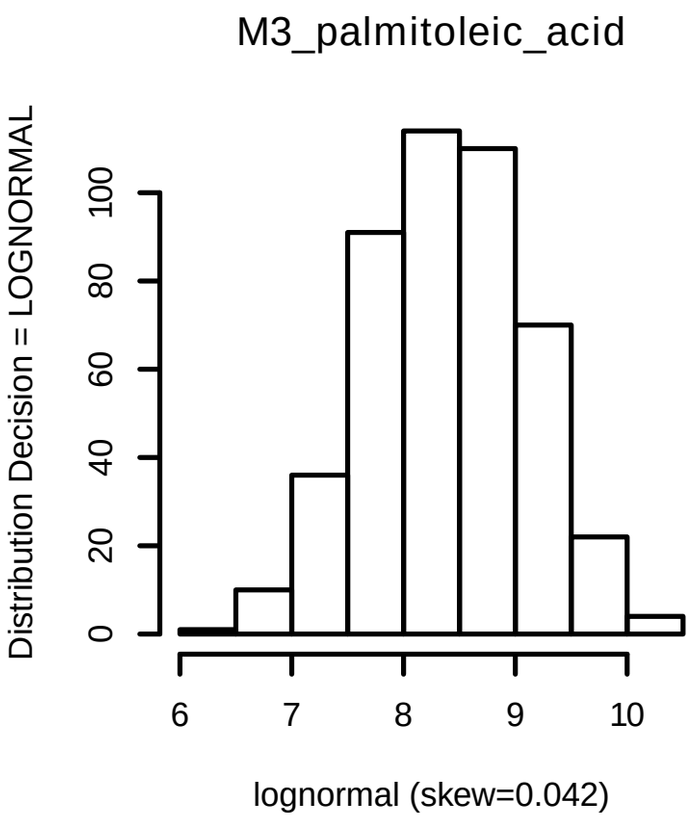

M3__deoxyglucitol_nist
Distribution Decision = NORMAL
0
50
100
150
0
5000
10000
15000
20000
normal (skew=0.35)

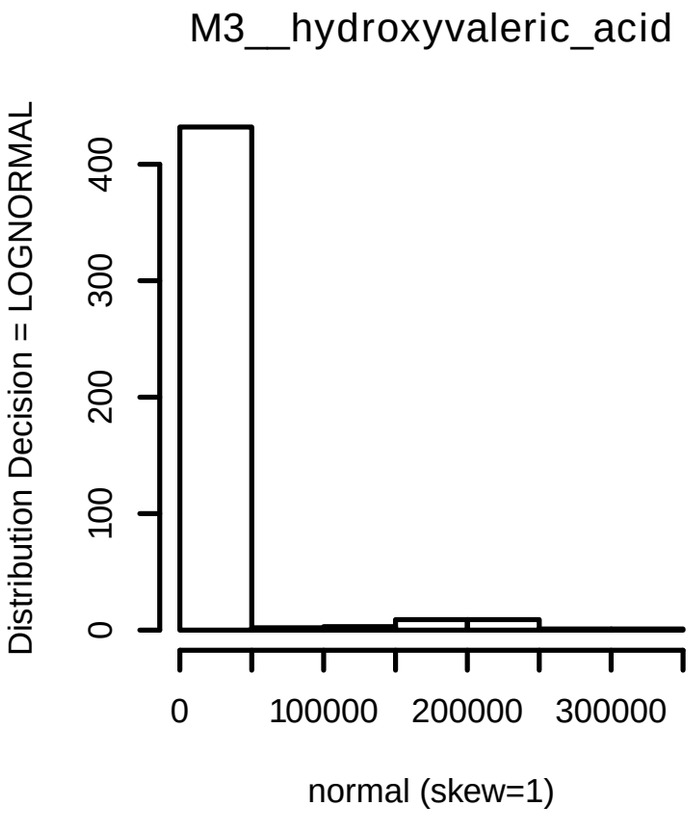

M3__deoxyglucitol_nist
Distribution Decision = NORMAL
0
50
100
150
5
6
7
8
9
10
lognormal (skew=1.4)

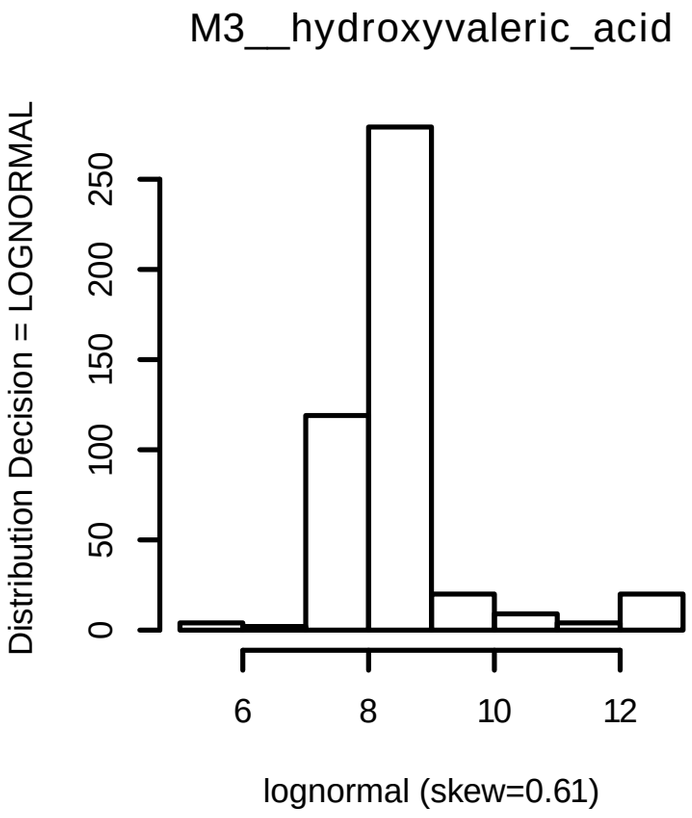

M3_diacetone_alcohol_nist
Distribution Decision = NORMAL
0
50
100
150
200
0
10000
20000
30000
normal (skew=0.18)

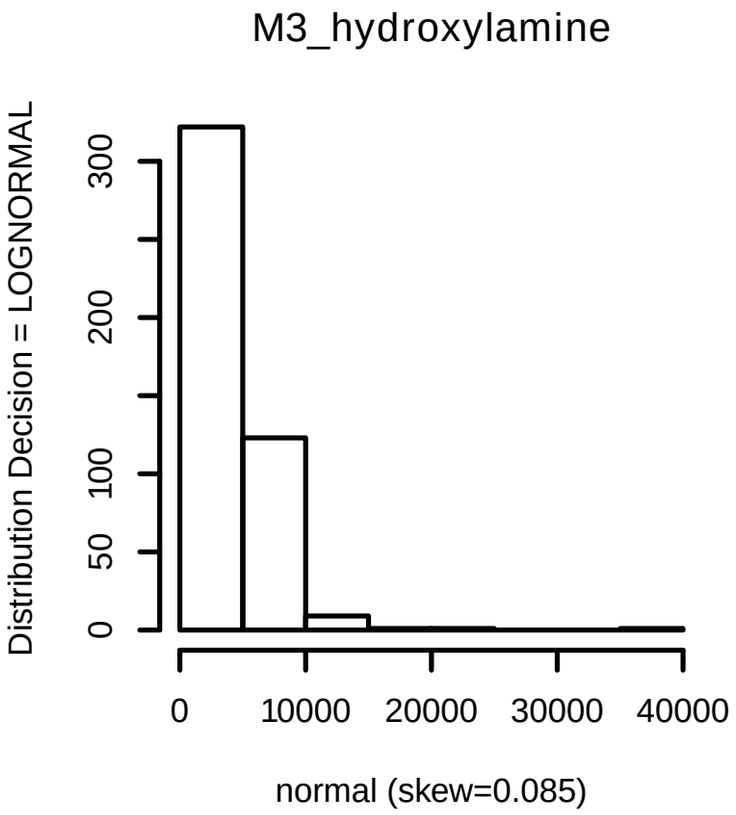

M3_diacetone_alcohol_nist
Distribution Decision = NORMAL
0
20
40
60
80
100
120
6
7
8
9
10
lognormal (skew=0.93)

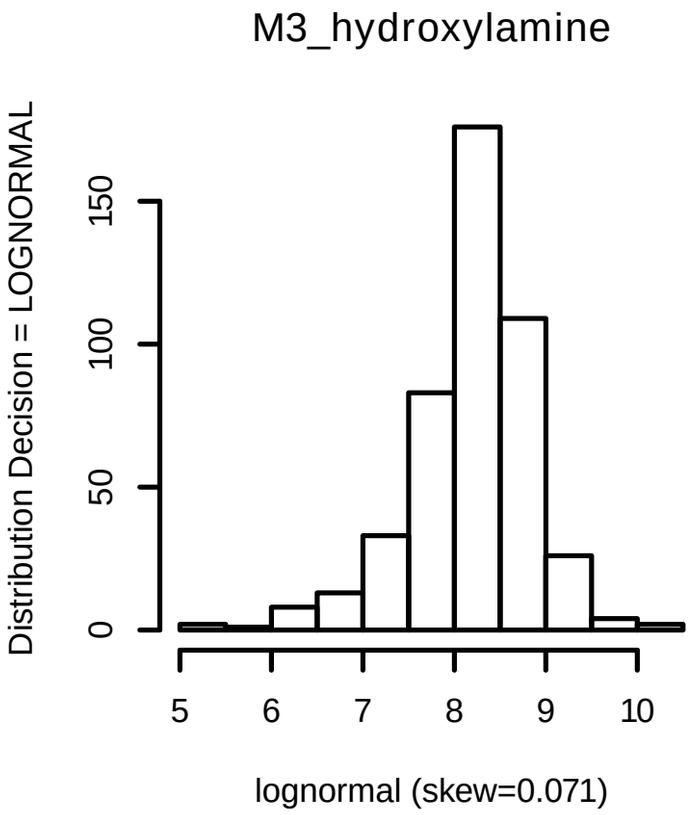

M3_palmitoleic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
10000
20000
30000
normal (skew=0.58)

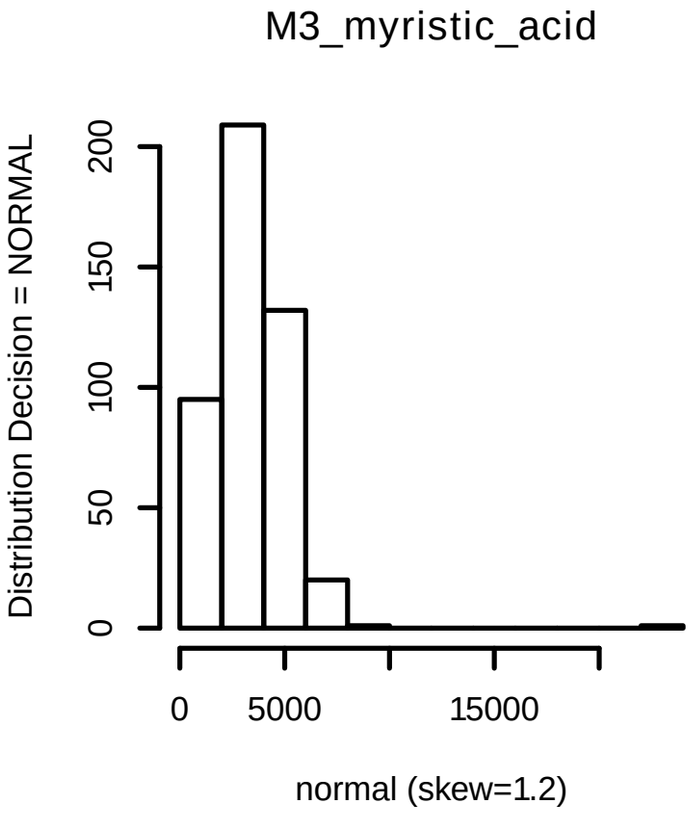

M3_palmitoleic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
6
7
8
9
10
lognormal (skew=0.042)

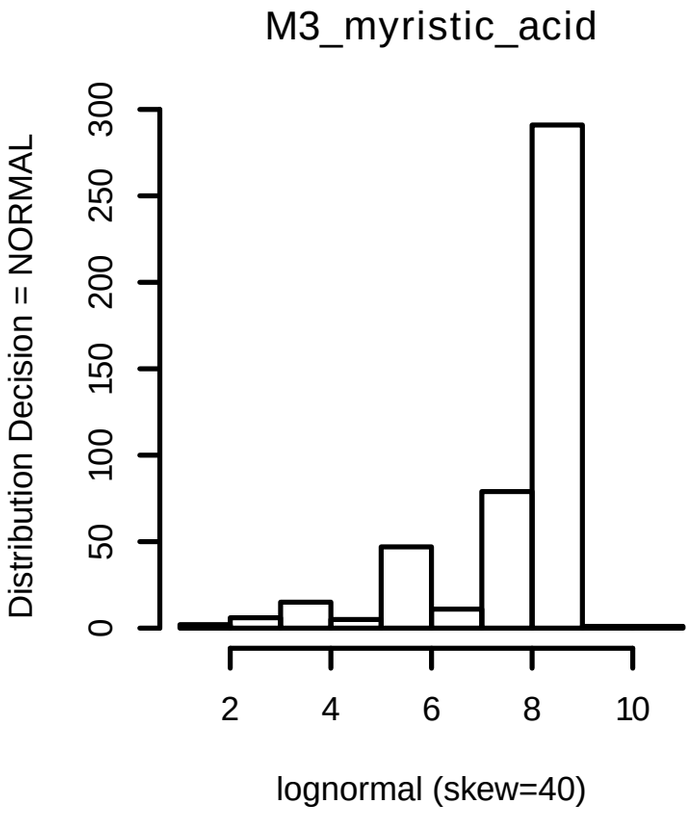

M3__hydroxyvaleric_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
100000
200000
300000
normal (skew=1)

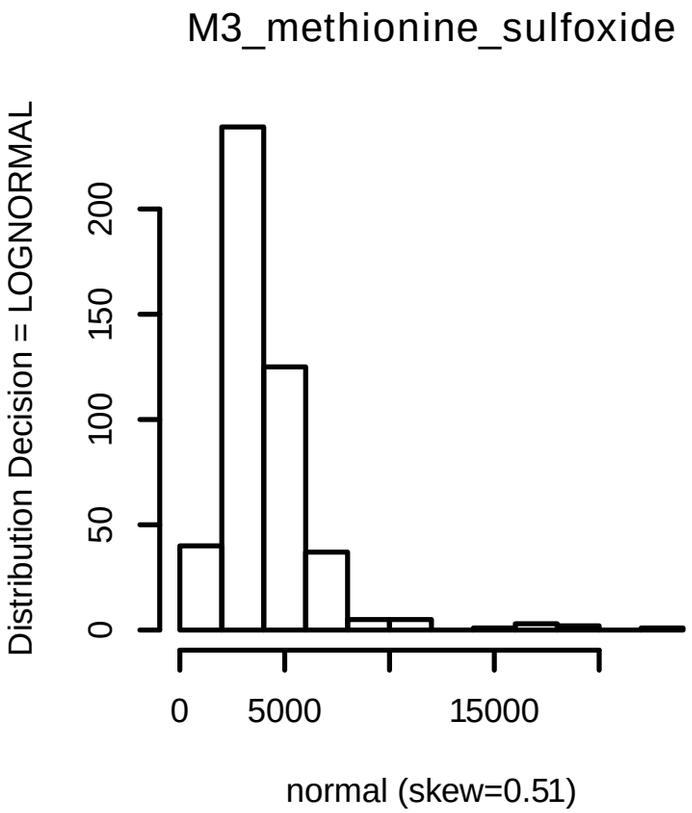

M3__hydroxyvaleric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
6
8
10
12
lognormal (skew=0.61)

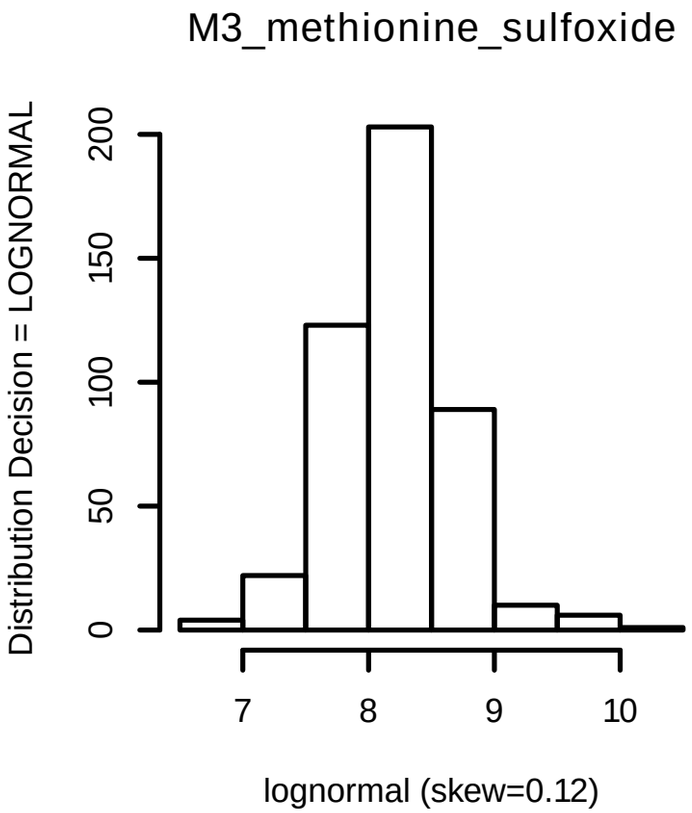

M3_hydroxylamine
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
10000
20000
30000
40000
normal (skew=0.085)

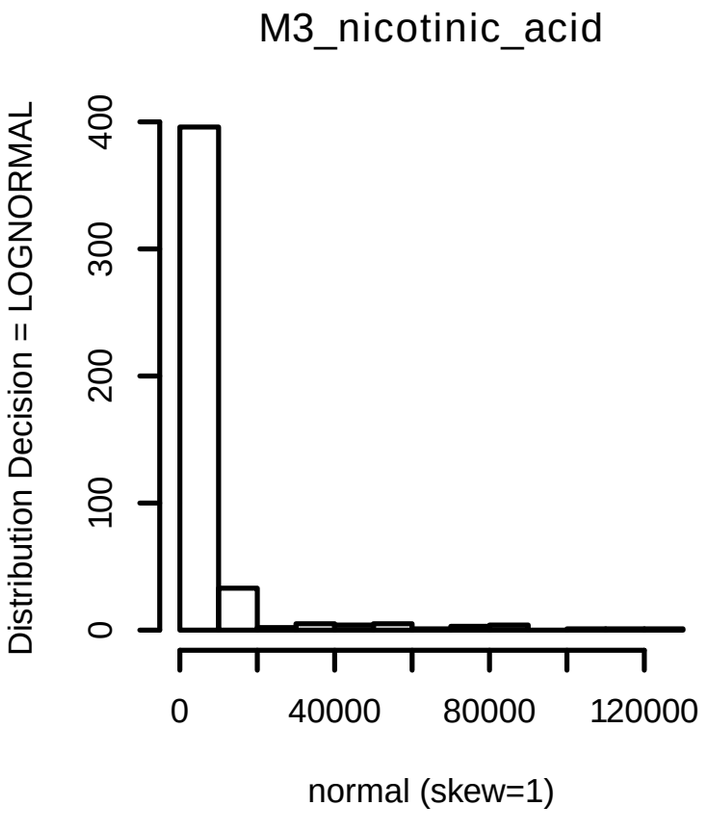

M3_hydroxylamine
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
10
lognormal (skew=0.071)

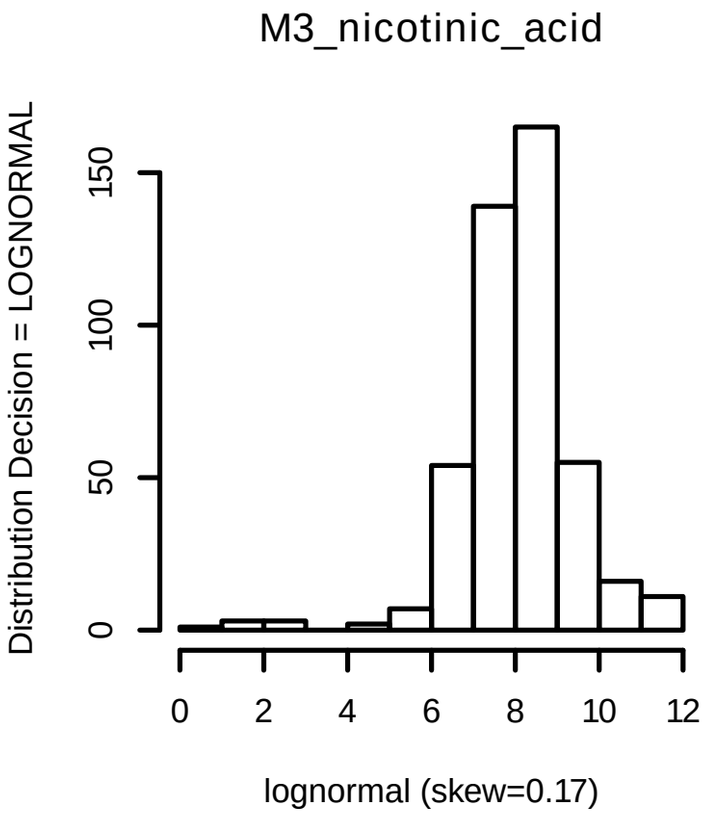

M3_myristic_acid
Distribution Decision = NORMAL
0
50
100
150
200
0
5000
15000
normal (skew=1.2)

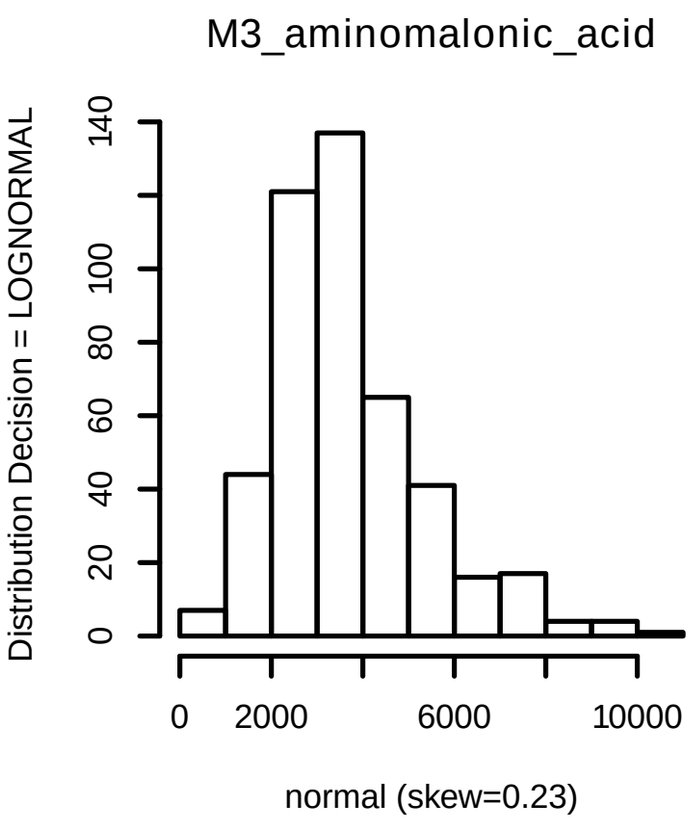

M3_myristic_acid
Distribution Decision = NORMAL
0
50
100
150
200
250
300
2
4
6
8
10
lognormal (skew=40)

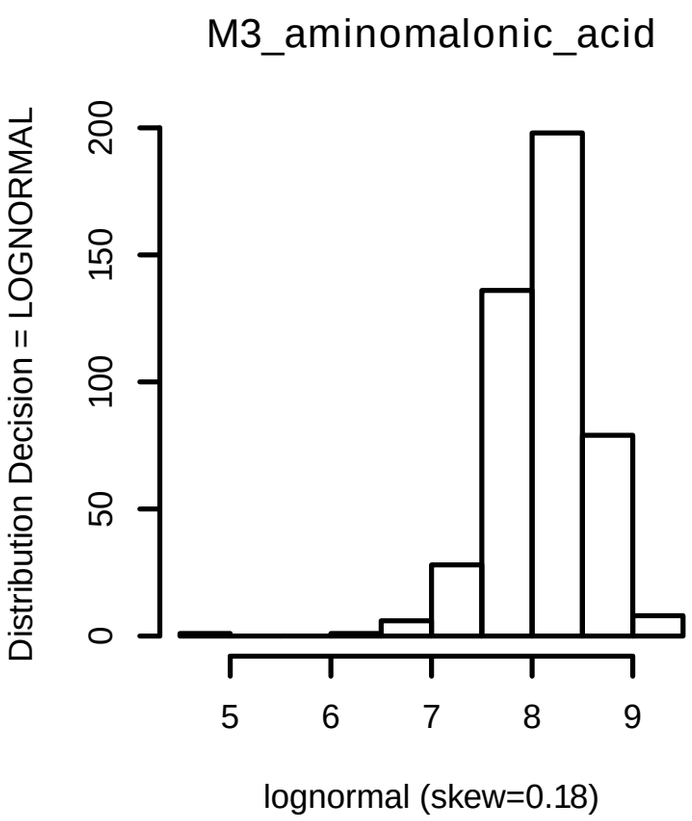

M3_methionine_sulfoxide
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
5000
15000
normal (skew=0.51)

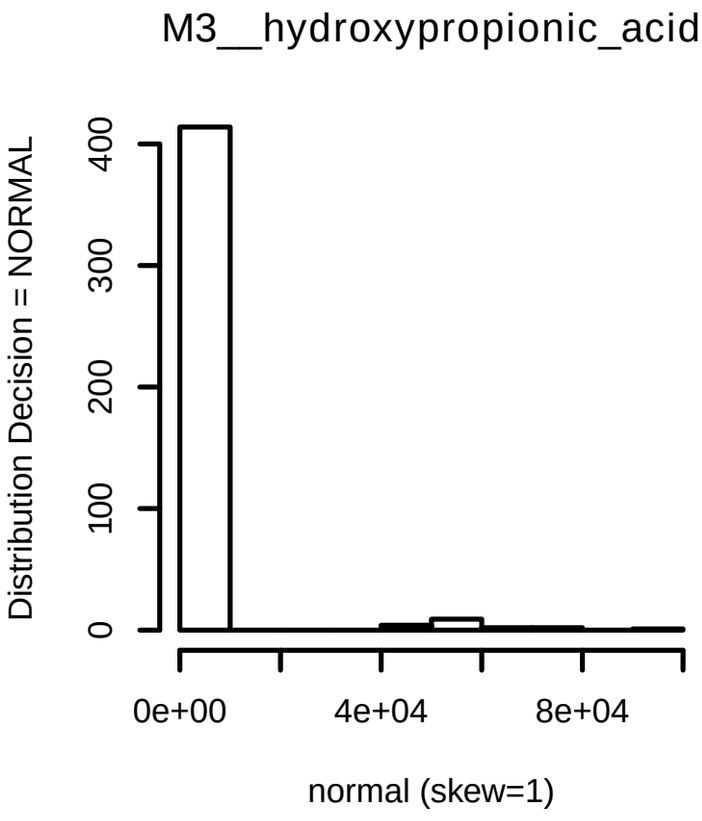

M3_methionine_sulfoxide
Distribution Decision = LOGNORMAL
0
50
100
150
200
7
8
9
10
lognormal (skew=0.12)

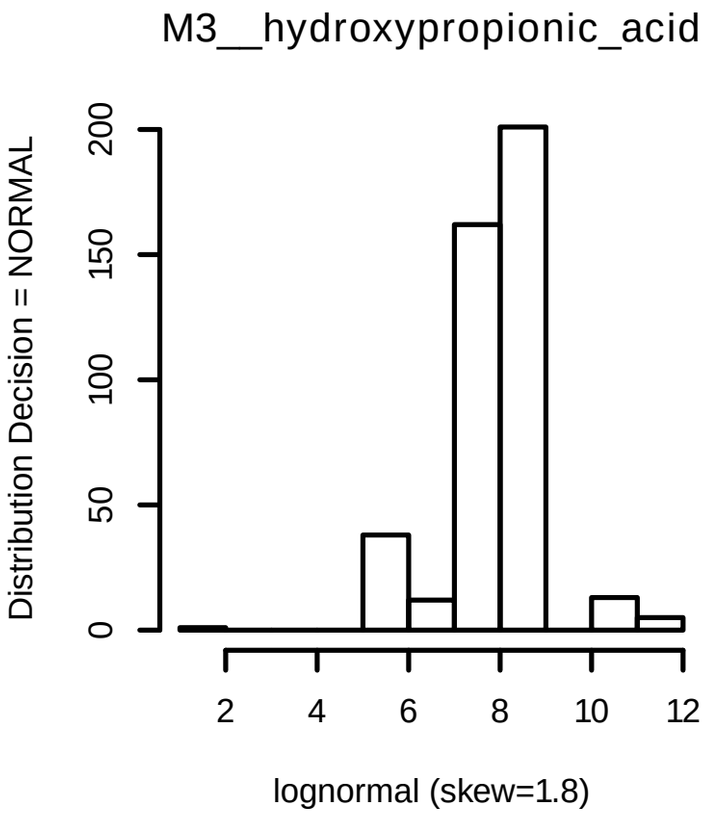

M3_nicotinic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
40000
80000
120000
normal (skew=1)

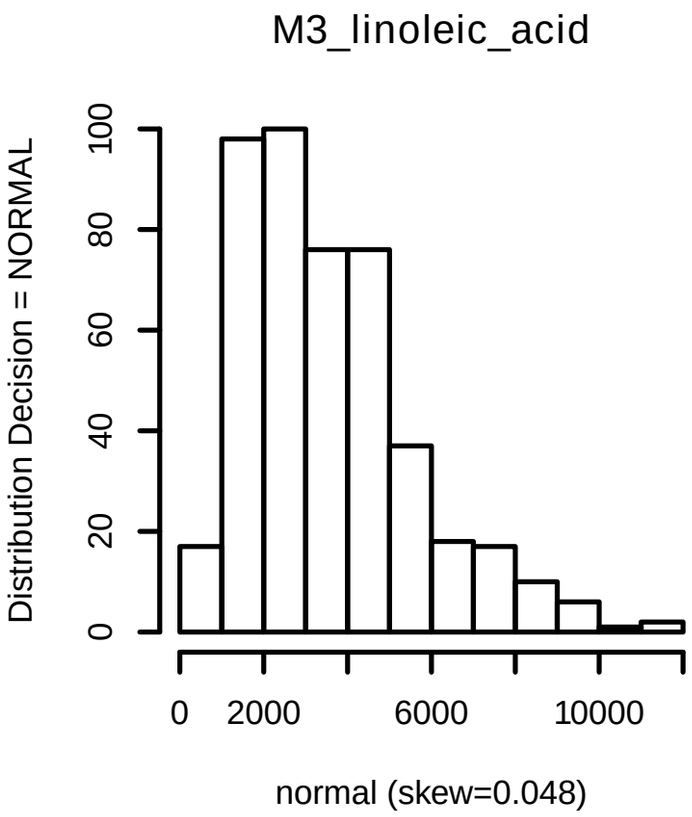

M3_nicotinic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
12
lognormal (skew=0.17)

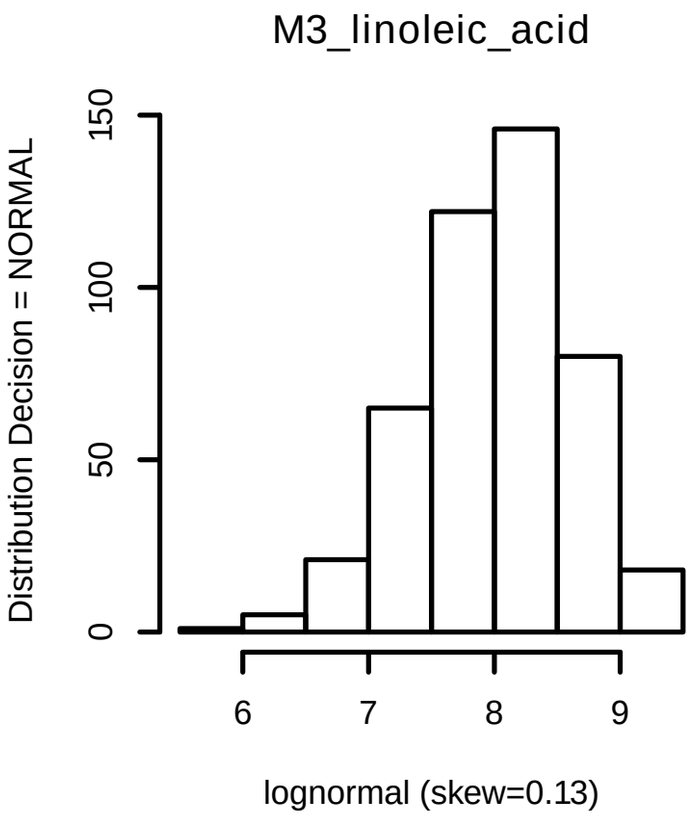

M3_aminomalonic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
0
2000
6000
10000
normal (skew=0.23)

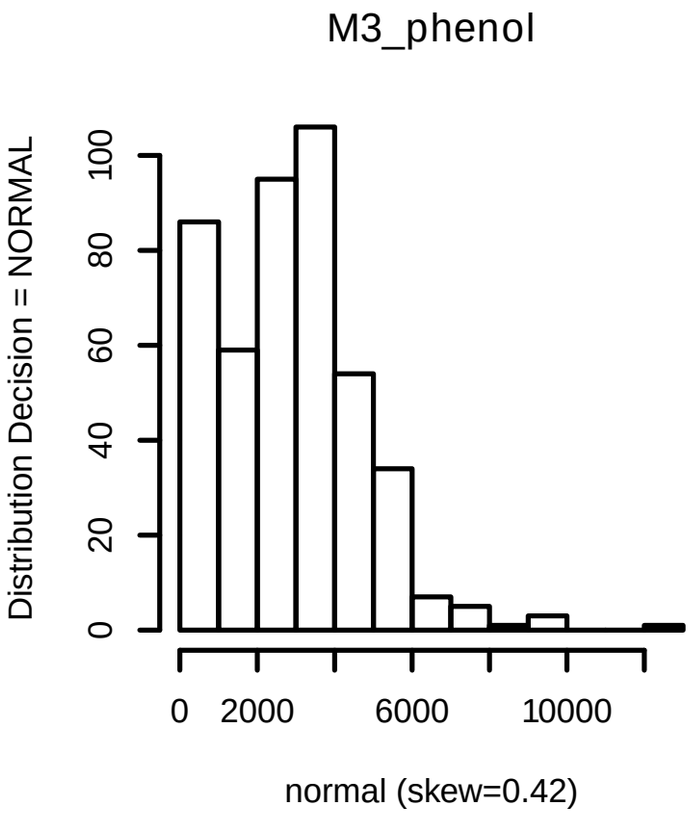

M3_aminomalonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
5
6
7
8
9
lognormal (skew=0.18)

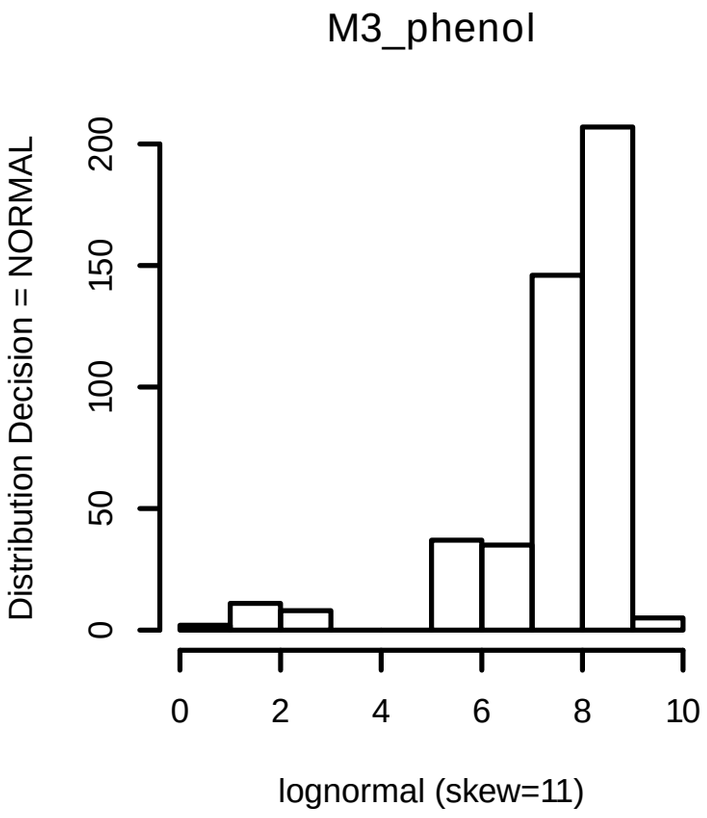

M3__hydroxypropionic_acid
Distribution Decision = NORMAL
0
100
200
300
400
0e+00
4e+04
8e+04
normal (skew=1)

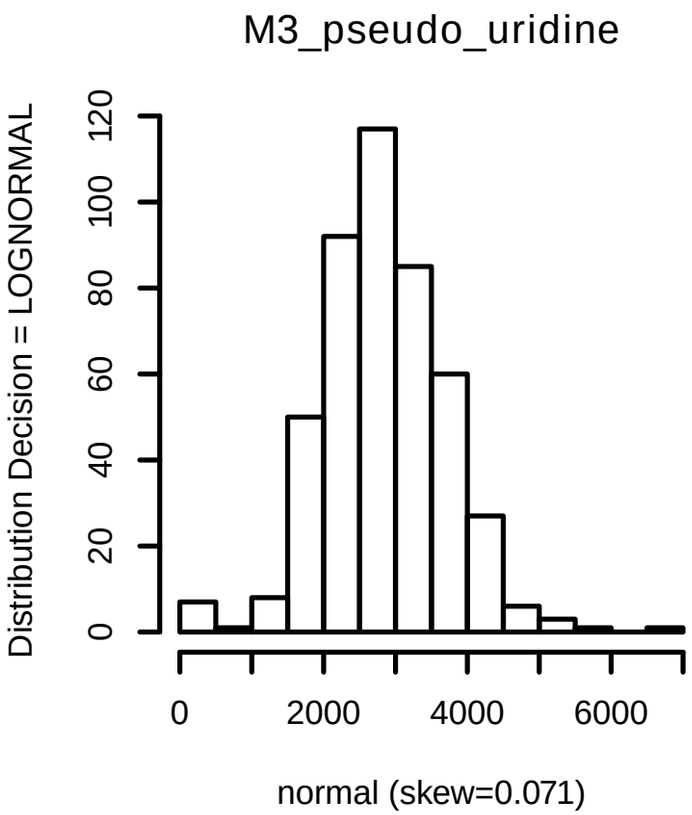

M3__hydroxypropionic_acid
Distribution Decision = NORMAL
0
50
100
150
200
2
4
6
8
10
12
lognormal (skew=1.8)

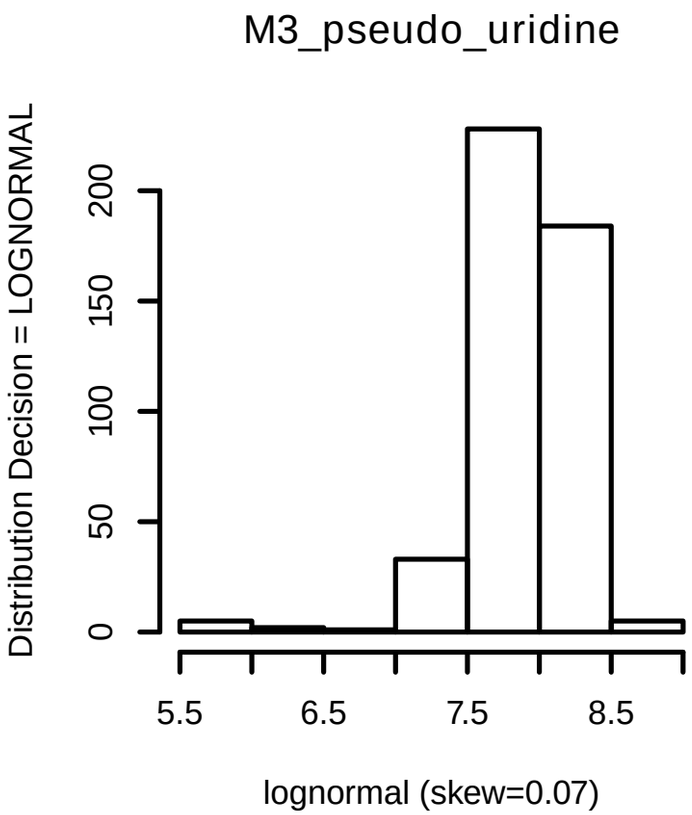

M3_linoleic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
0
2000
6000
10000
normal (skew=0.048)

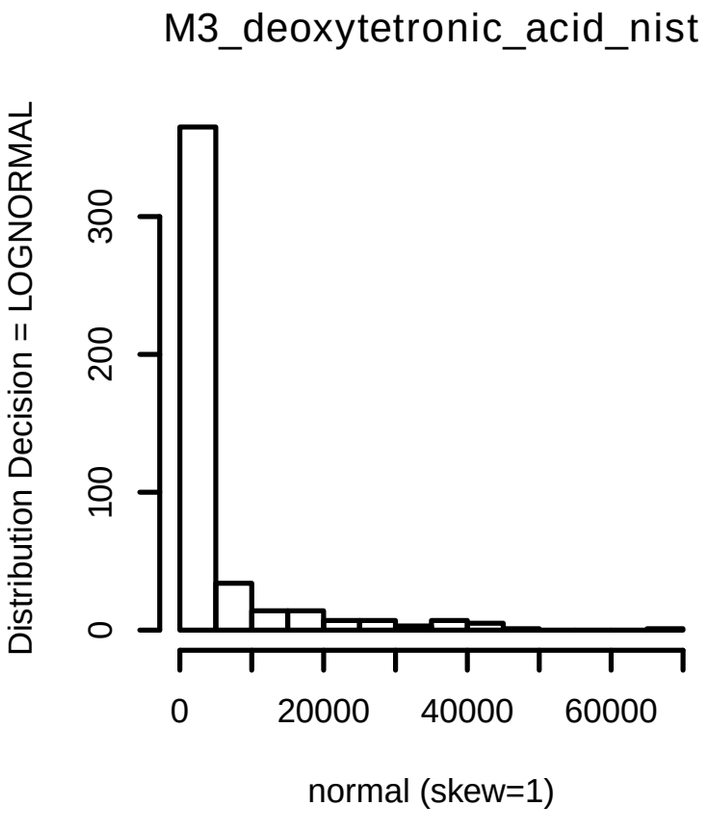

M3_linoleic_acid
Distribution Decision = NORMAL
0
50
100
150
6
7
8
9
lognormal (skew=0.13)

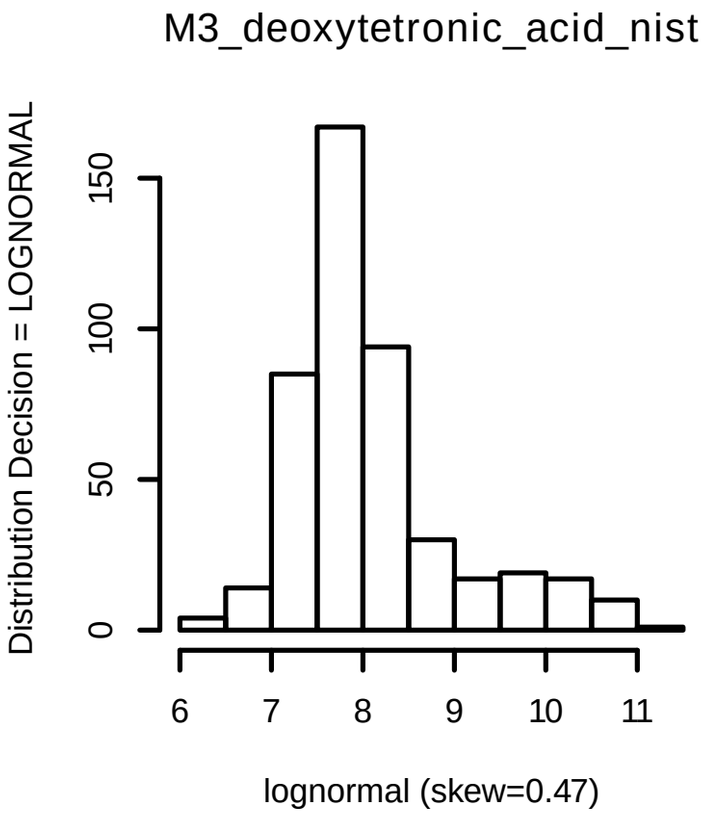

M3_phenol
Distribution Decision = NORMAL
0
20
40
60
80
100
0
2000
6000
10000
normal (skew=0.42)

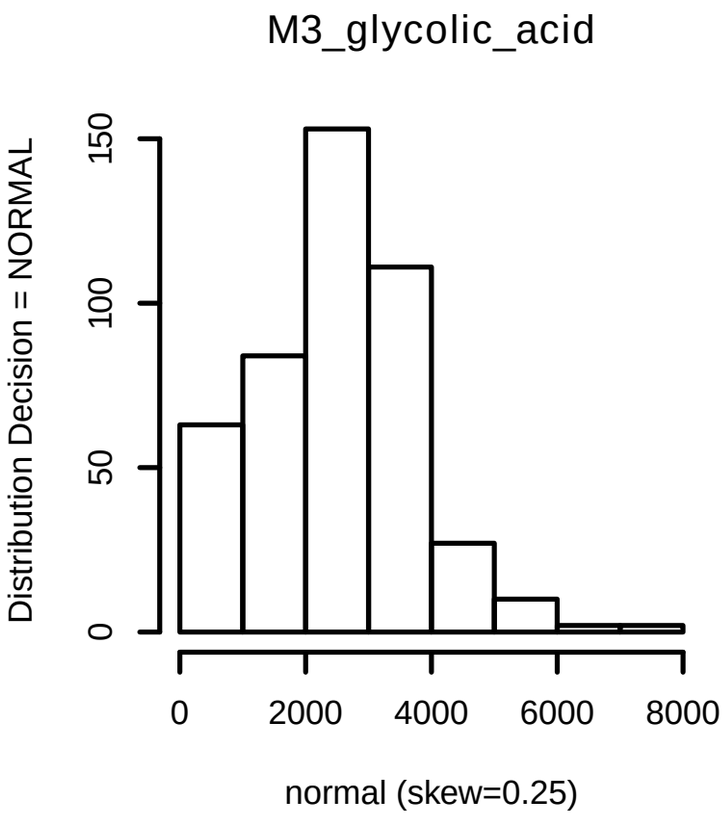

M3_phenol
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=11)

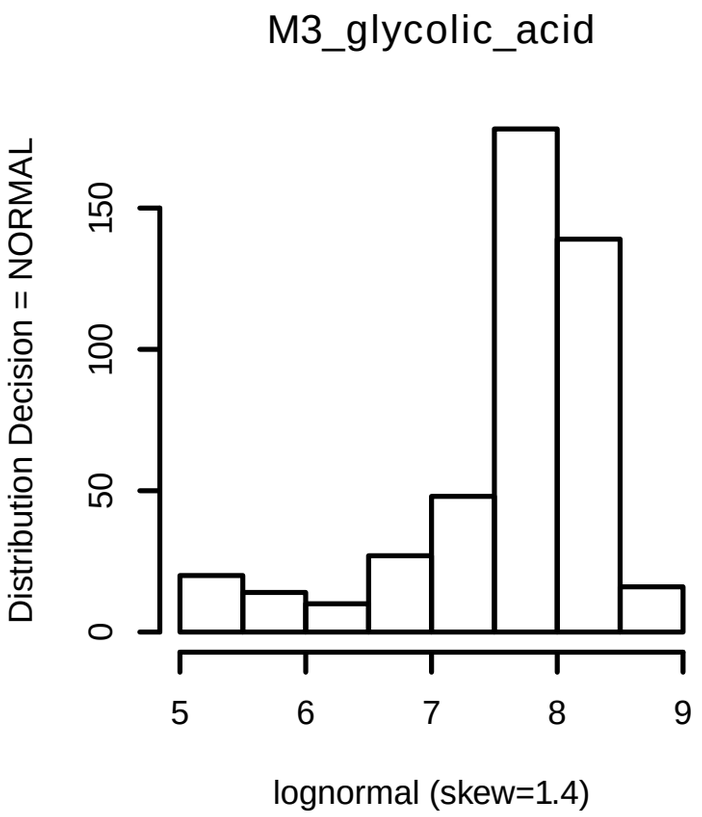

M3_pseudo_uridine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
2000
4000
6000
normal (skew=0.071)

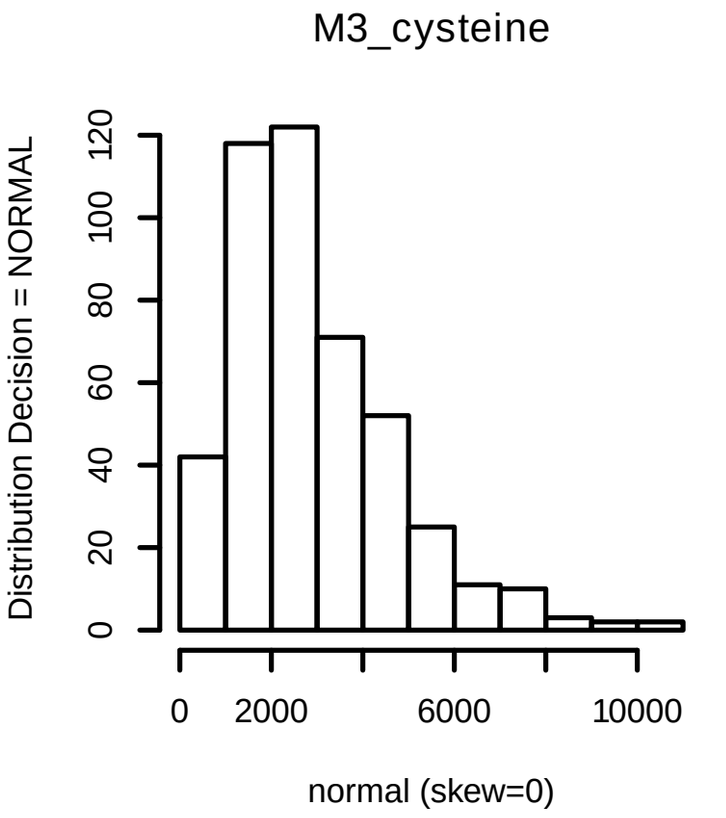

M3_pseudo_uridine
Distribution Decision = LOGNORMAL
0
50
100
150
200
5.5
6.5
7.5
8.5
lognormal (skew=0.07)

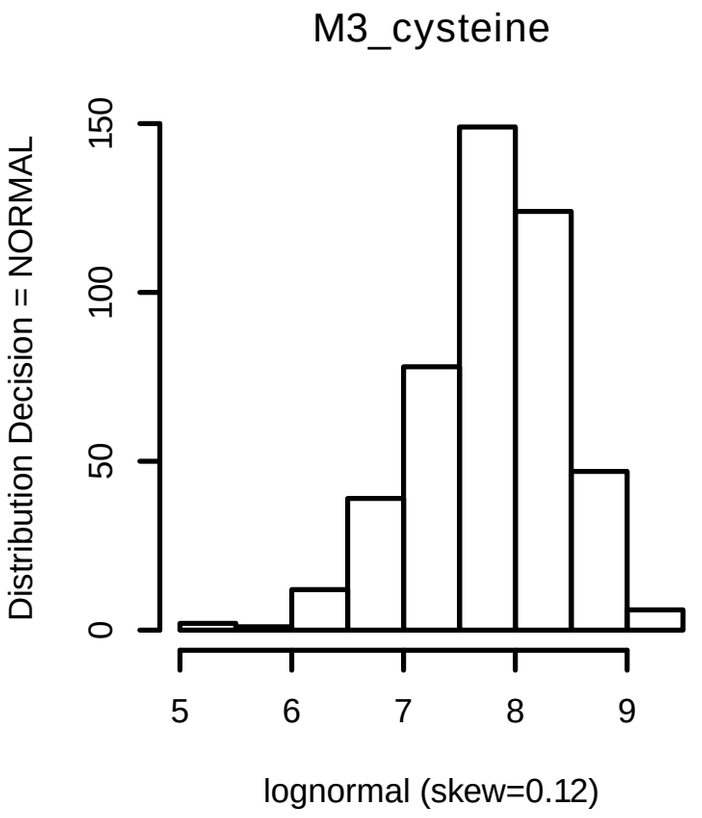

M3_deoxytetronic_acid_nist
Distribution Decision = LOGNORMAL
0
100
200
300
0
20000
40000
60000
normal (skew=1)

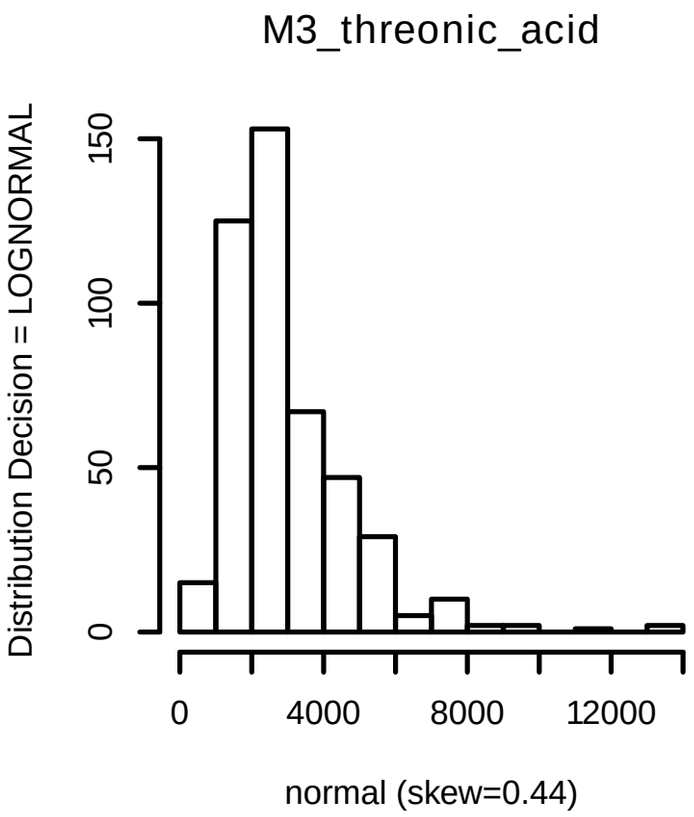

M3_deoxytetronic_acid_nist
Distribution Decision = LOGNORMAL
0
50
100
150
6
7
8
9
10
11
lognormal (skew=0.47)

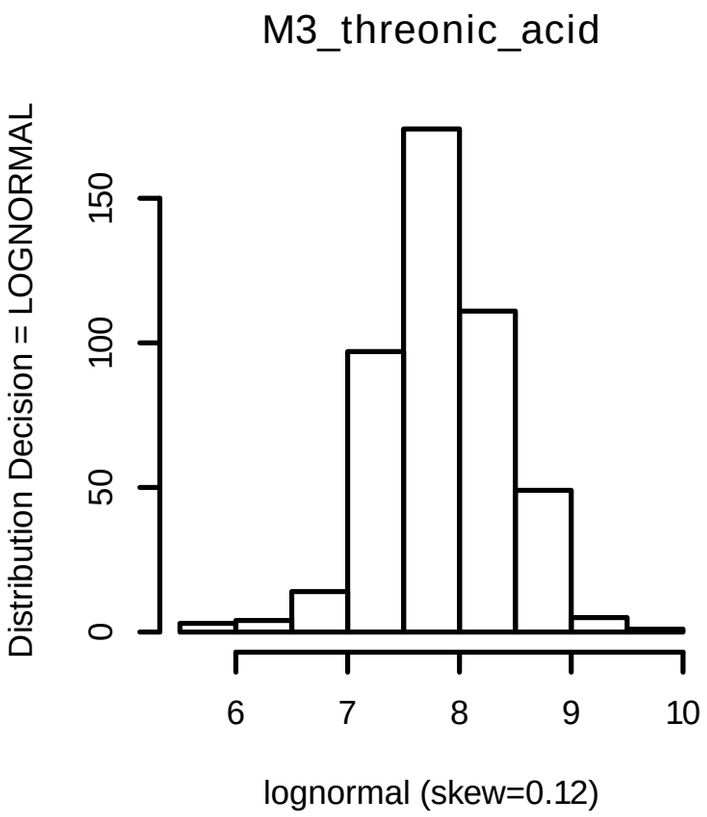

M3_glycolic_acid
Distribution Decision = NORMAL
0
50
100
150
0
2000
4000
6000
8000
normal (skew=0.25)

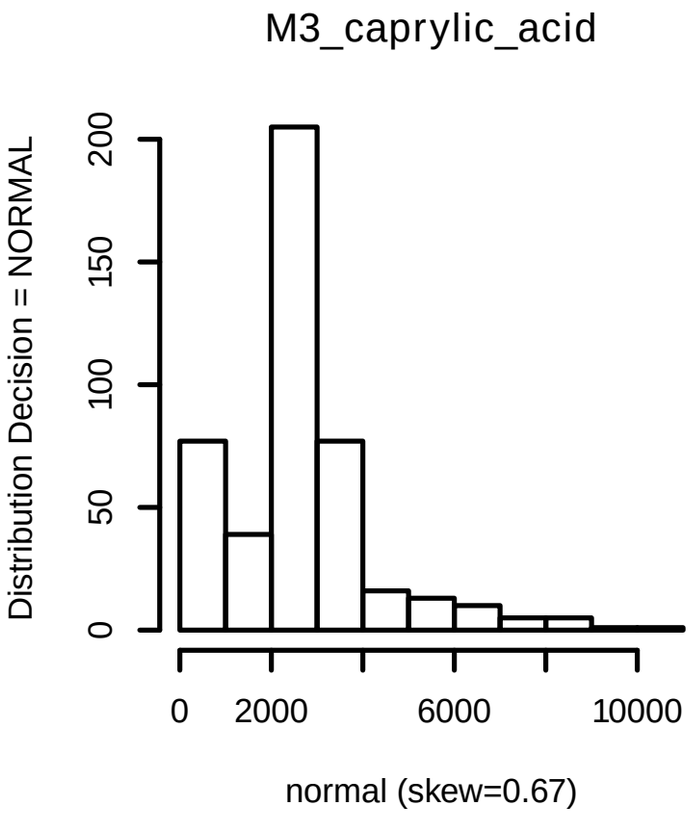

M3_glycolic_acid
Distribution Decision = NORMAL
0
50
100
150
5
6
7
8
9
lognormal (skew=1.4)

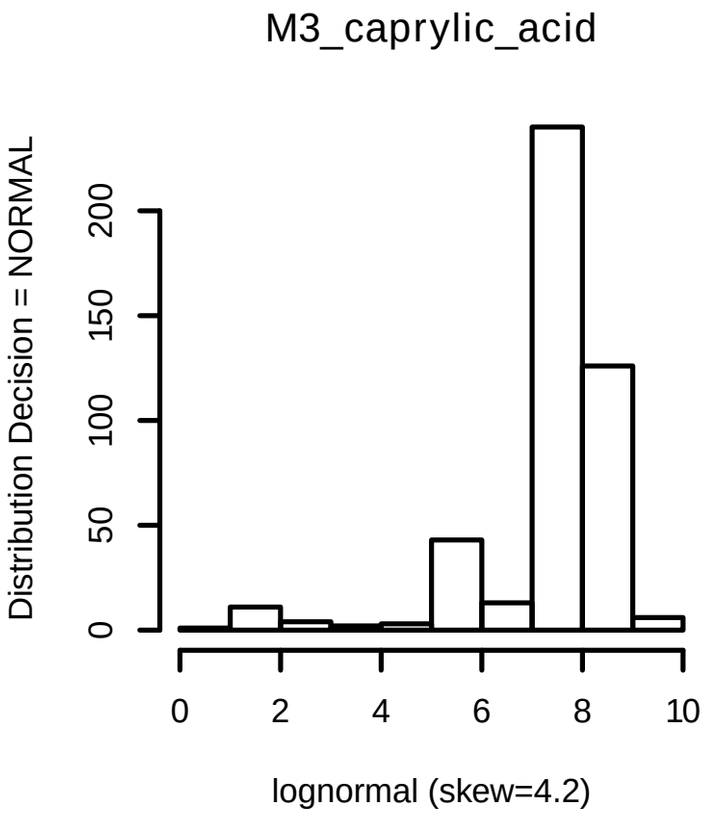

M3_cysteine
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
2000
6000
10000
normal (skew=0)

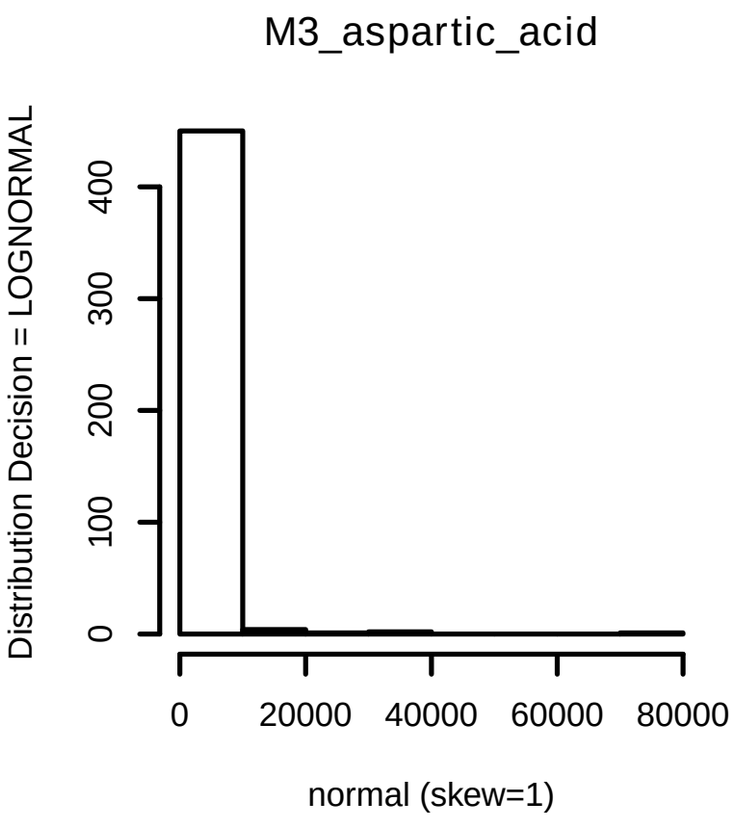

M3_cysteine
Distribution Decision = NORMAL
0
50
100
150
5
6
7
8
9
lognormal (skew=0.12)

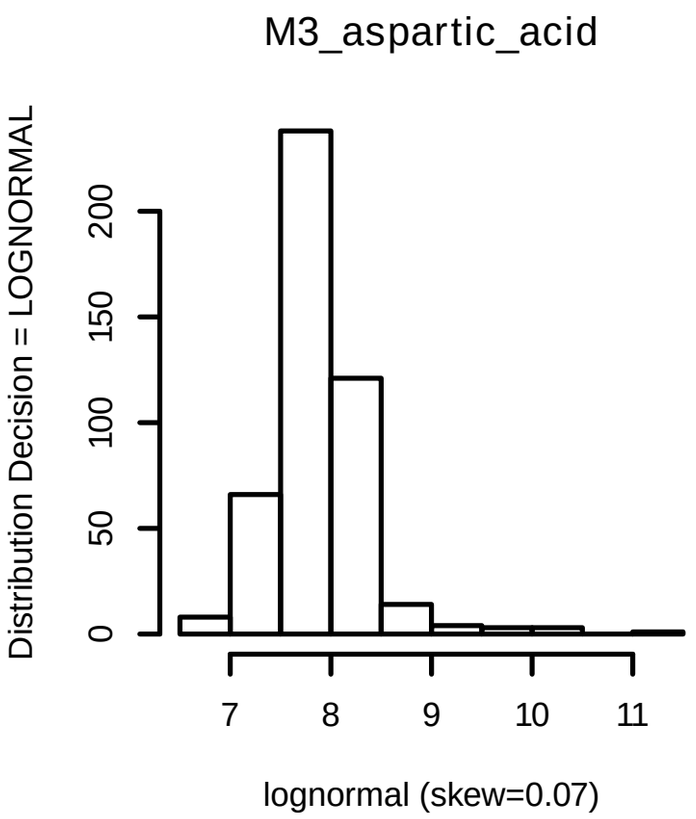

M3_threonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
4000
8000
12000
normal (skew=0.44)

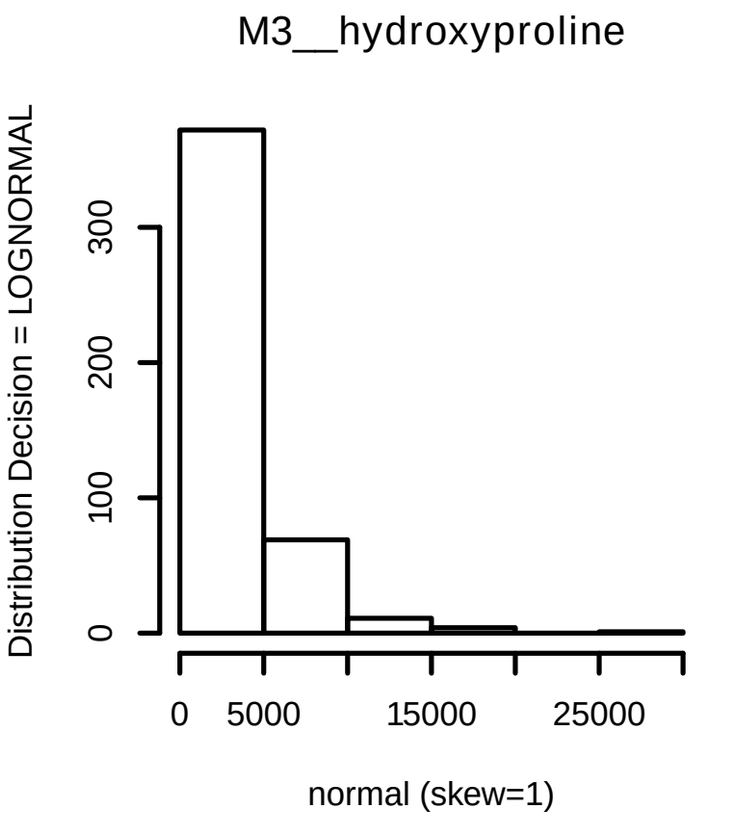

M3_threonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
6
7
8
9
10
lognormal (skew=0.12)

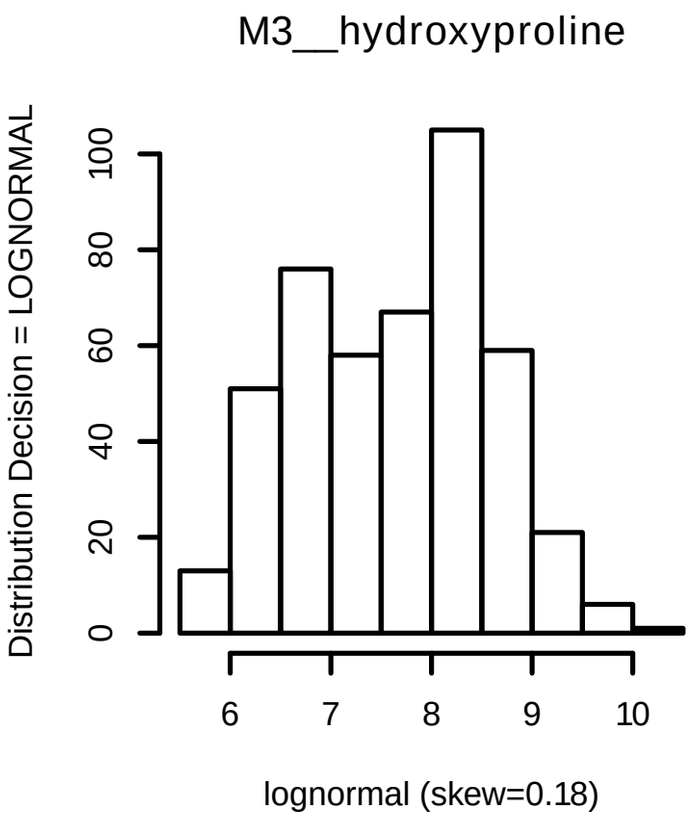

M3_caprylic_acid
Distribution Decision = NORMAL
0
50
100
150
200
0
2000
6000
10000
normal (skew=0.67)

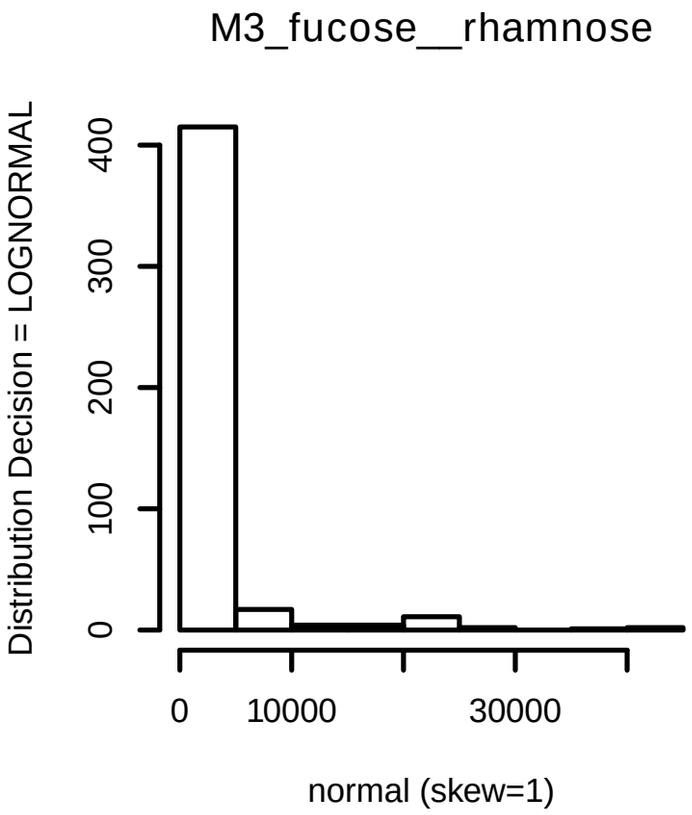

M3_caprylic_acid
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=4.2)

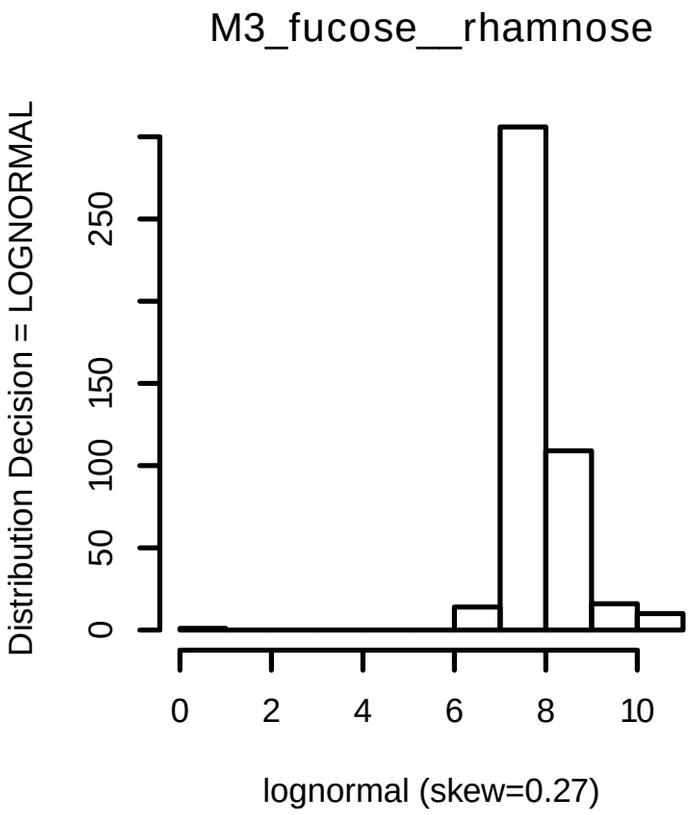

M3_aspartic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
40000
60000
80000
normal (skew=1)

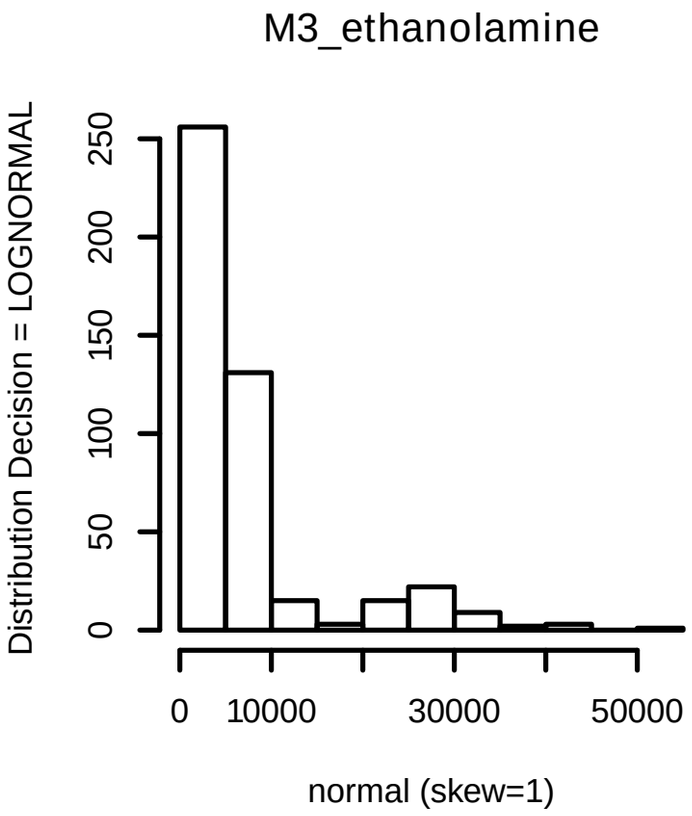

M3_aspartic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
7
8
9
10
11
lognormal (skew=0.07)

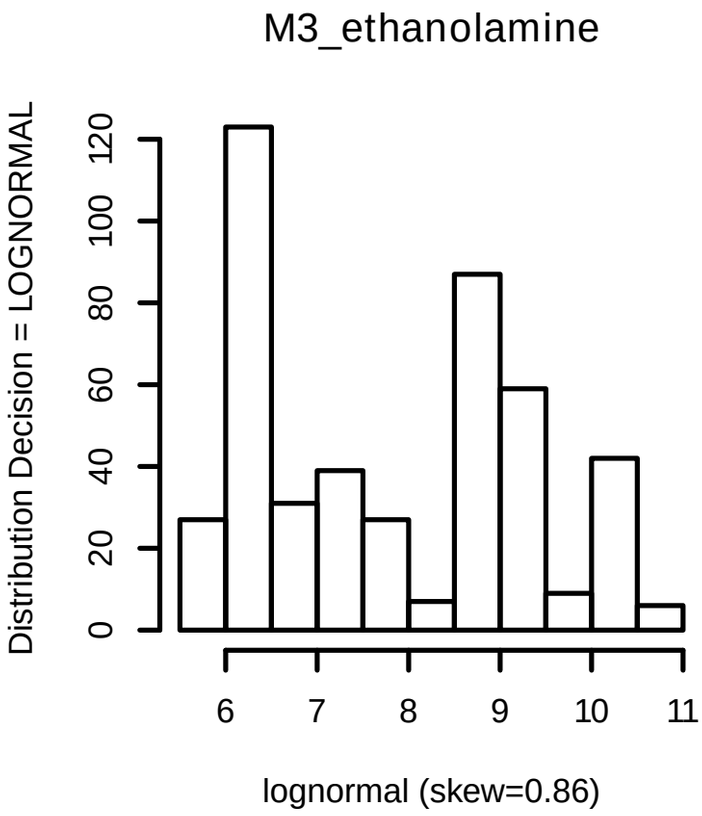

M3__hydroxyproline
Distribution Decision = LOGNORMAL
0
100
200
300
0
5000
15000
25000
normal (skew=1)

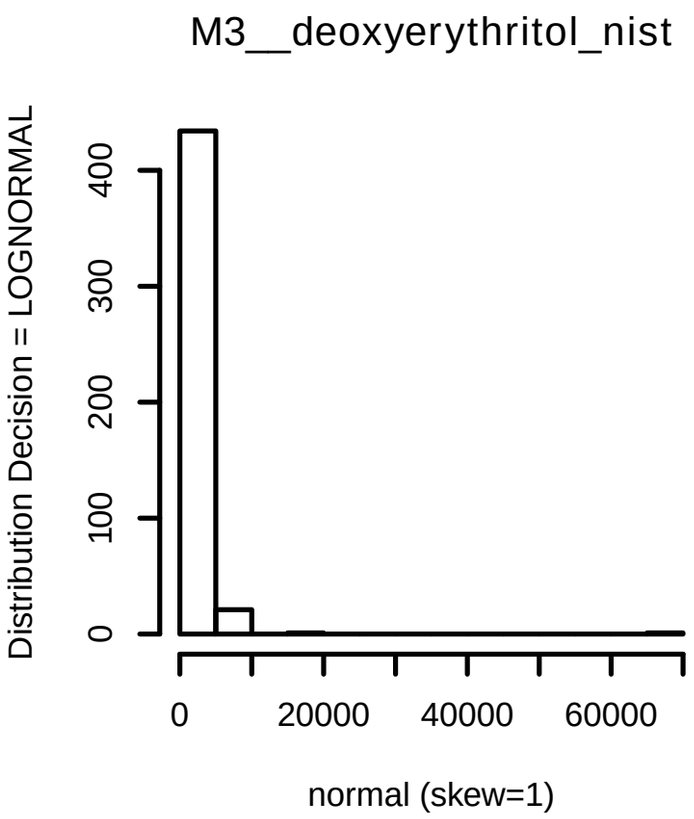

M3__hydroxyproline
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
6
7
8
9
10
lognormal (skew=0.18)

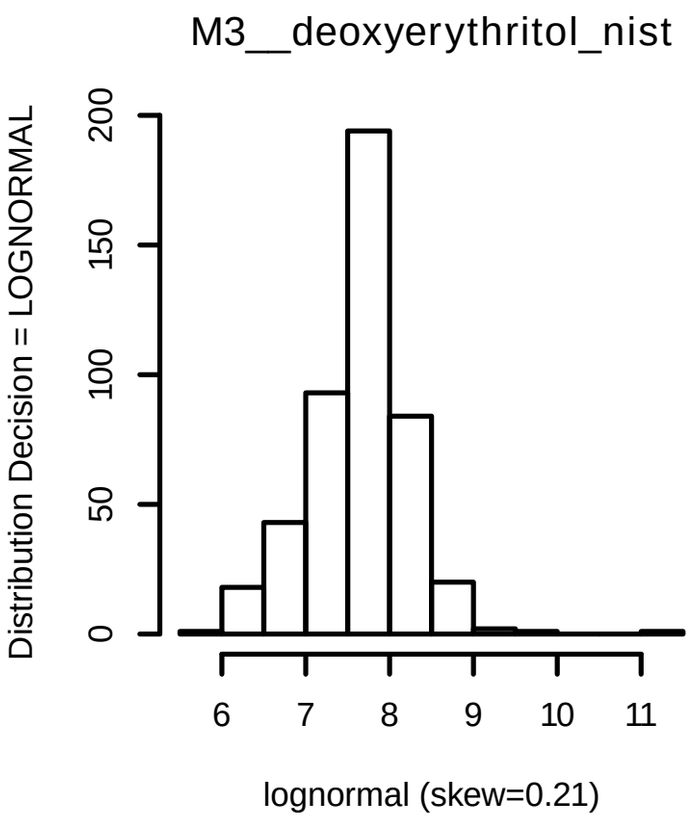

M3_fucose__rhamnose
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
30000
normal (skew=1)

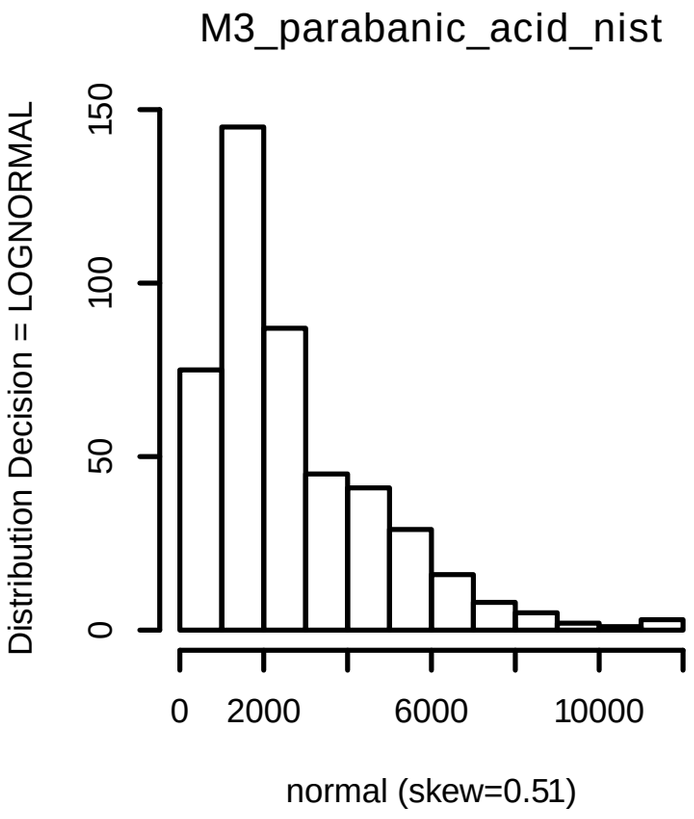

M3_fucose__rhamnose
Distribution Decision = LOGNORMAL
0
50
100
150
250
0
2
4
6
8
10
lognormal (skew=0.27)

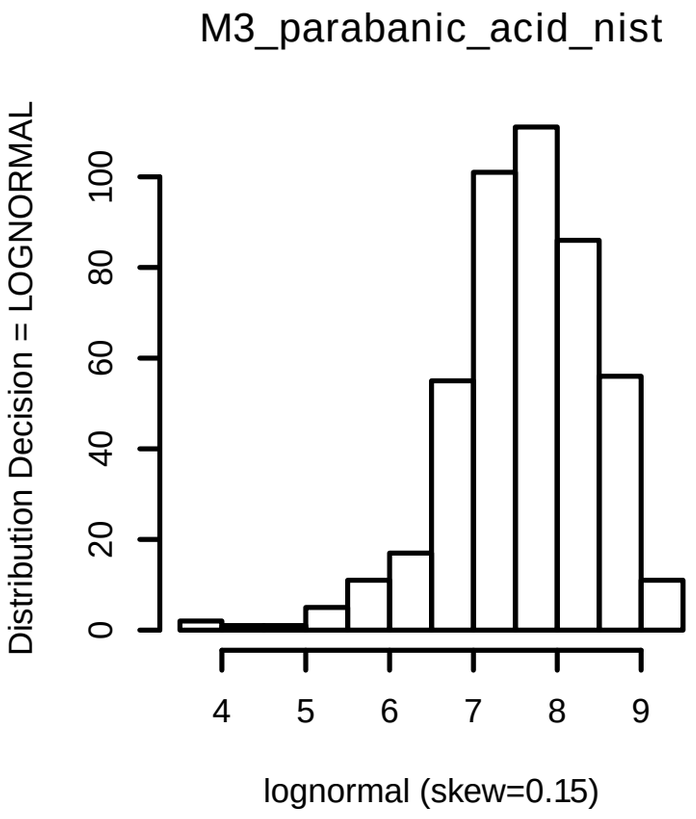

M3_ethanolamine
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
10000
30000
50000
normal (skew=1)

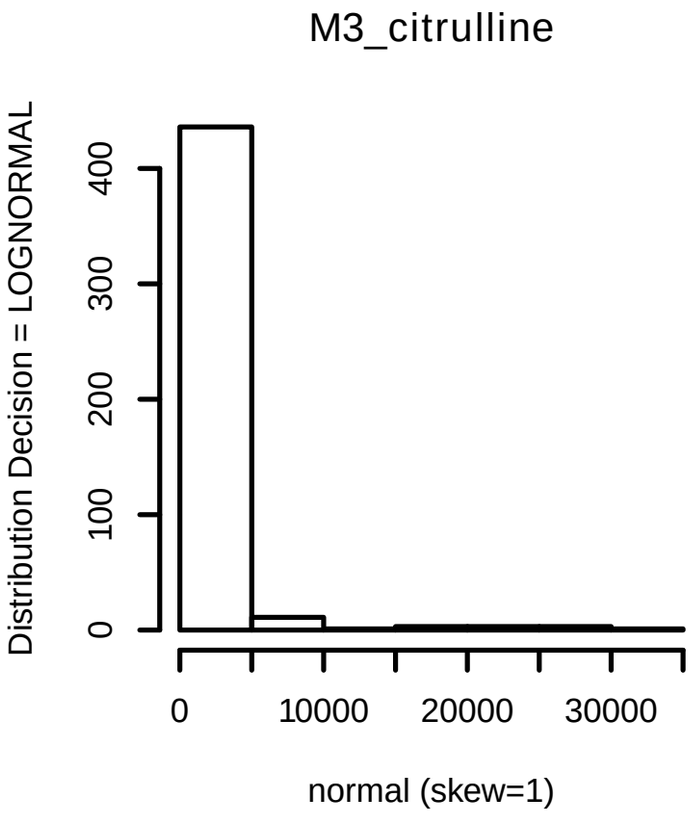

M3_ethanolamine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
6
7
8
9
10
11
lognormal (skew=0.86)

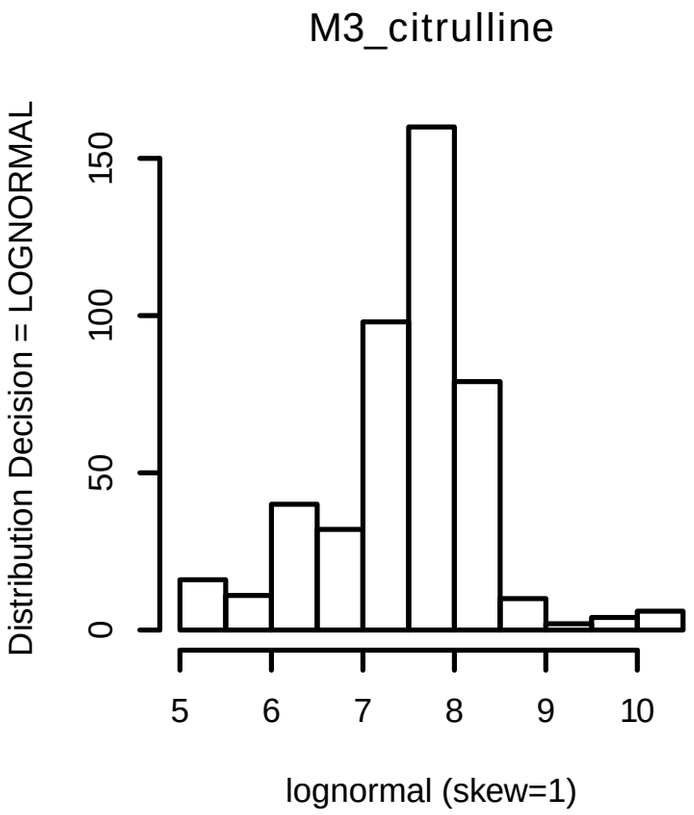

M3__deoxyerythritol_nist
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
40000
60000
normal (skew=1)

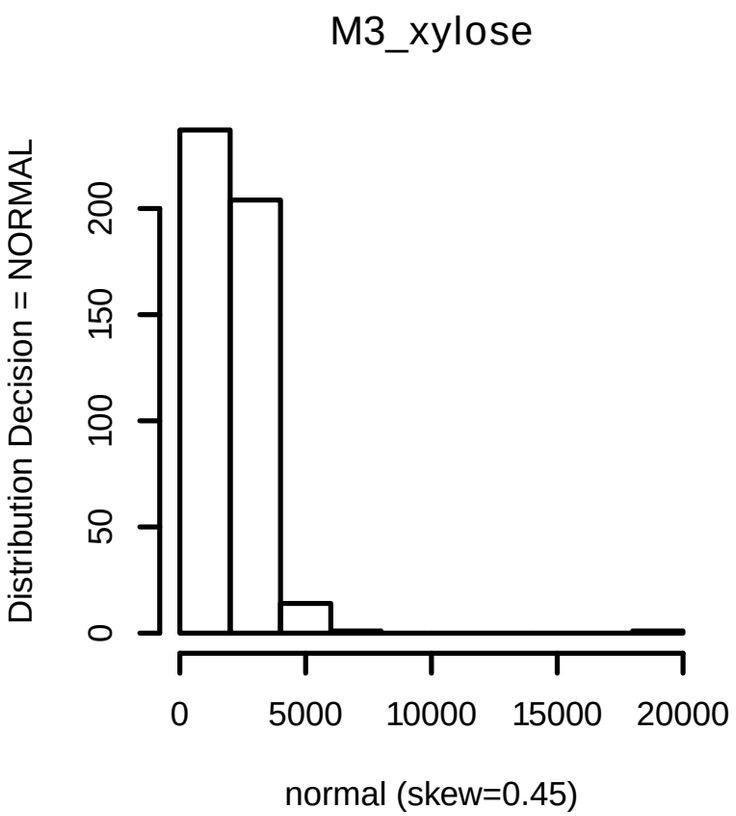

M3__deoxyerythritol_nist
Distribution Decision = LOGNORMAL
0
50
100
150
200
6
7
8
9
10
11
lognormal (skew=0.21)

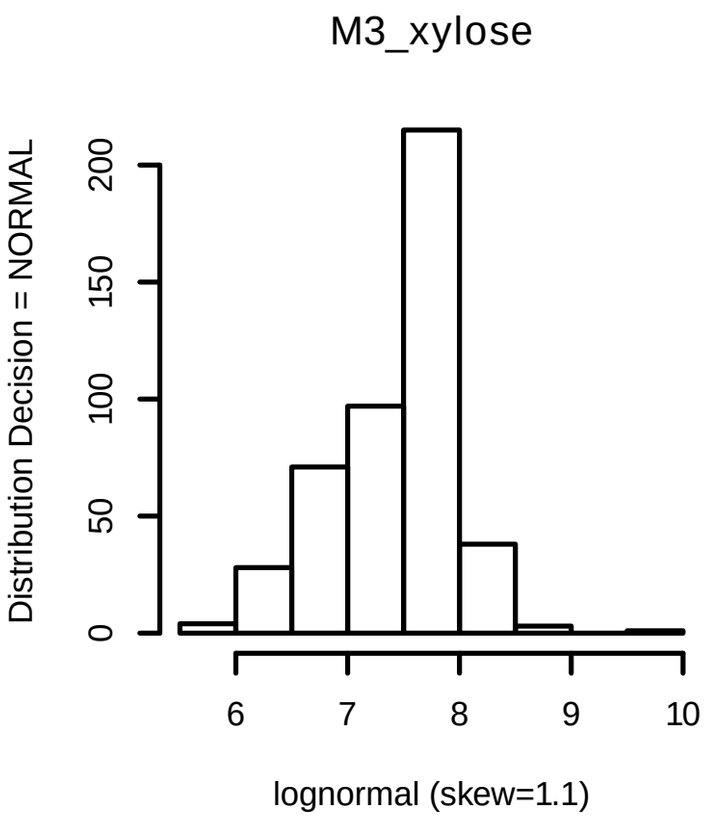

M3_parabanic_acid_nist
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
6000
10000
normal (skew=0.51)

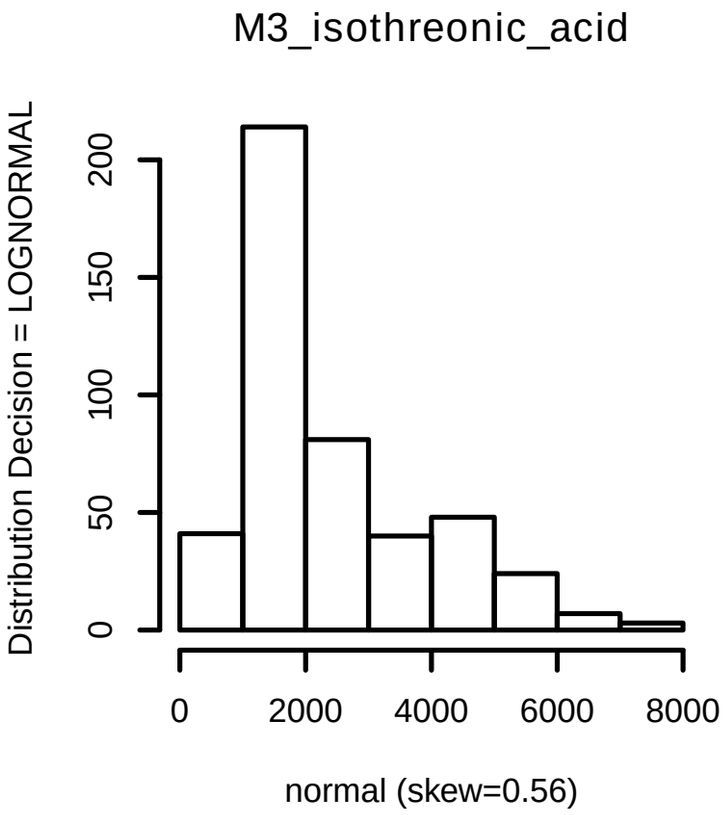

M3_parabanic_acid_nist
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
9
lognormal (skew=0.15)

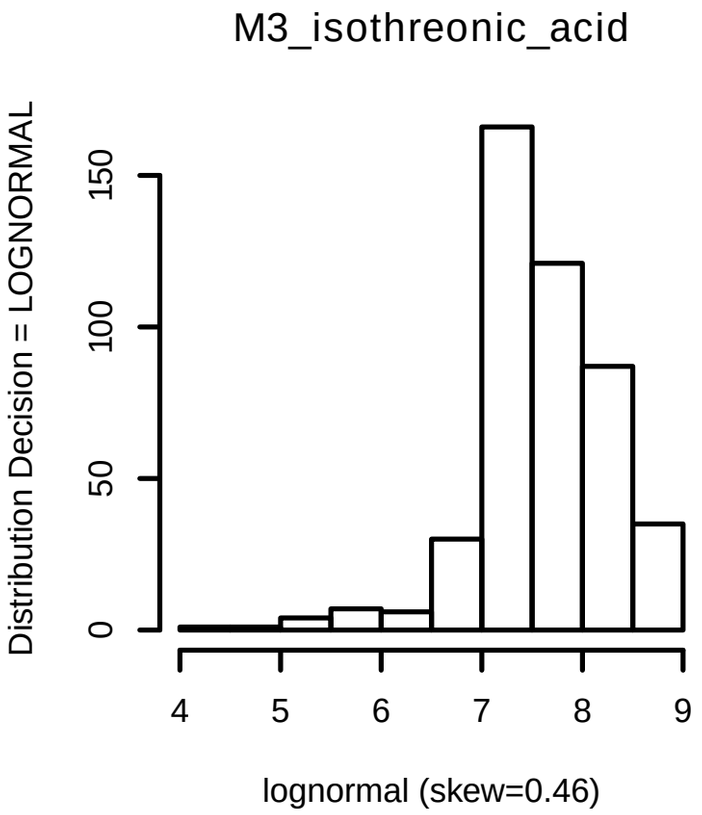

M3_citrulline
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
20000
30000
normal (skew=1)

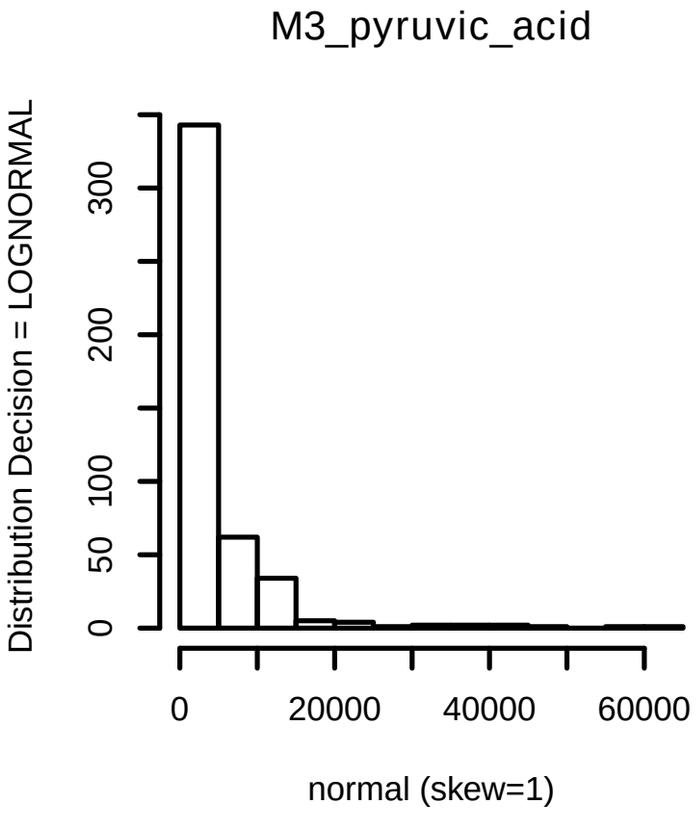

M3_citrulline
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
10
lognormal (skew=1)

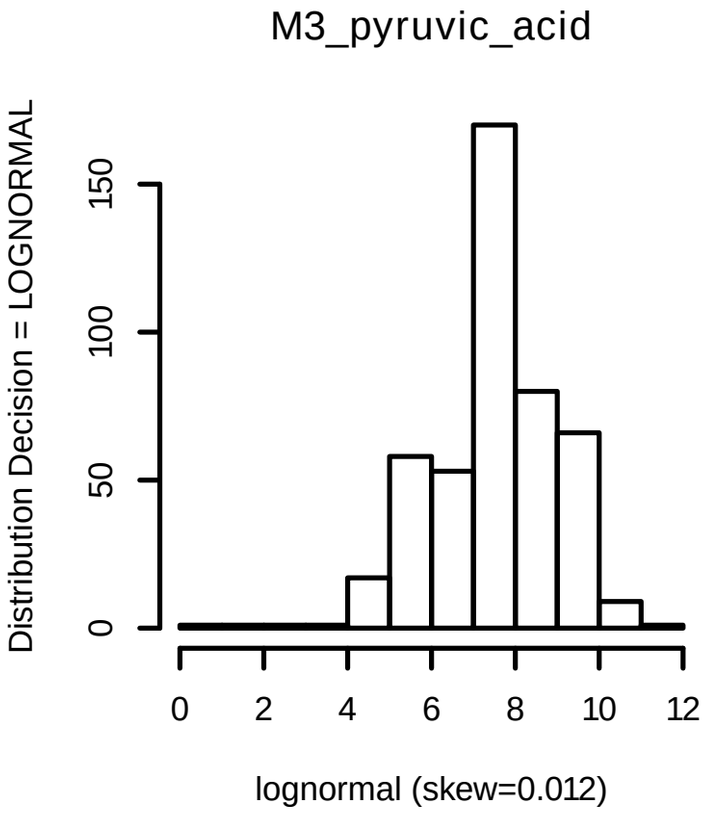

M3_xylose
Distribution Decision = NORMAL
0
50
100
150
200
0
5000
10000
15000
20000
normal (skew=0.45)

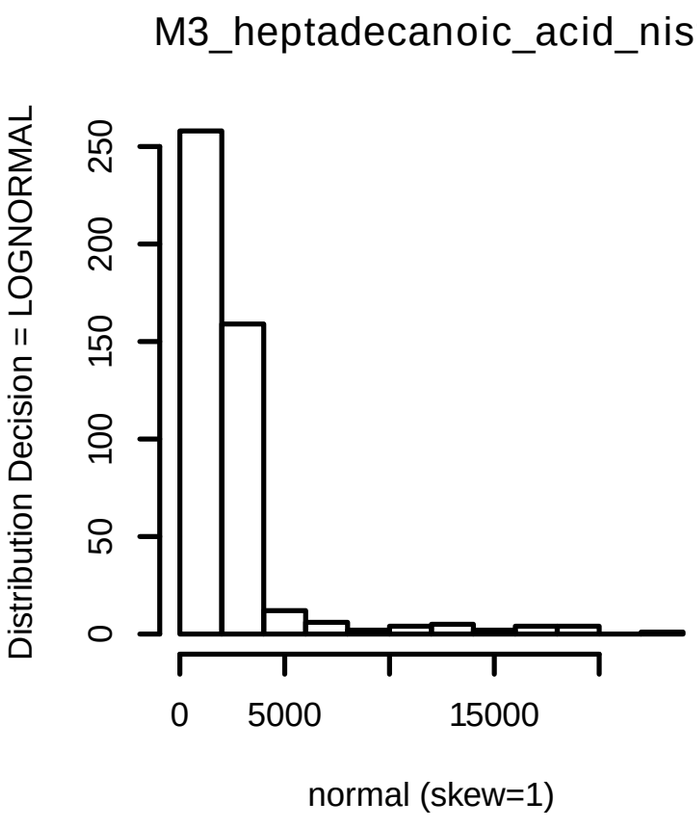

M3_xylose
Distribution Decision = NORMAL
0
50
100
150
200
6
7
8
9
10
lognormal (skew=1.1)

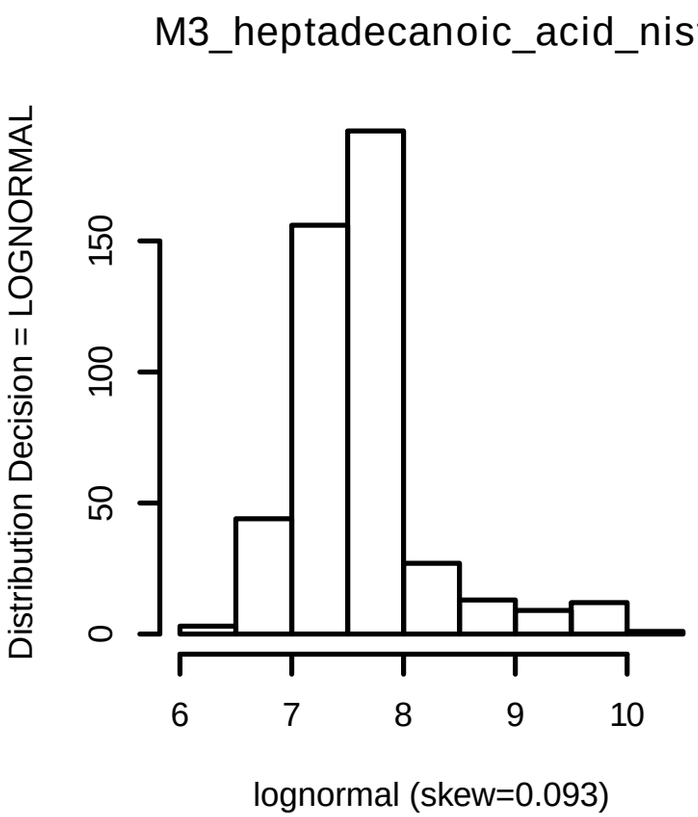

M3_isothreonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2000
4000
6000
8000
normal (skew=0.56)

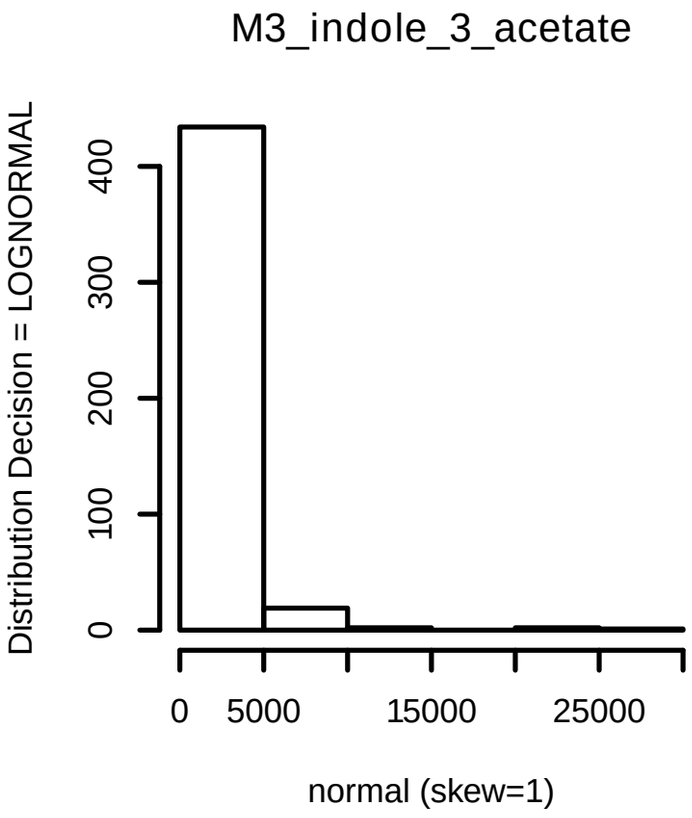

M3_isothreonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
lognormal (skew=0.46)

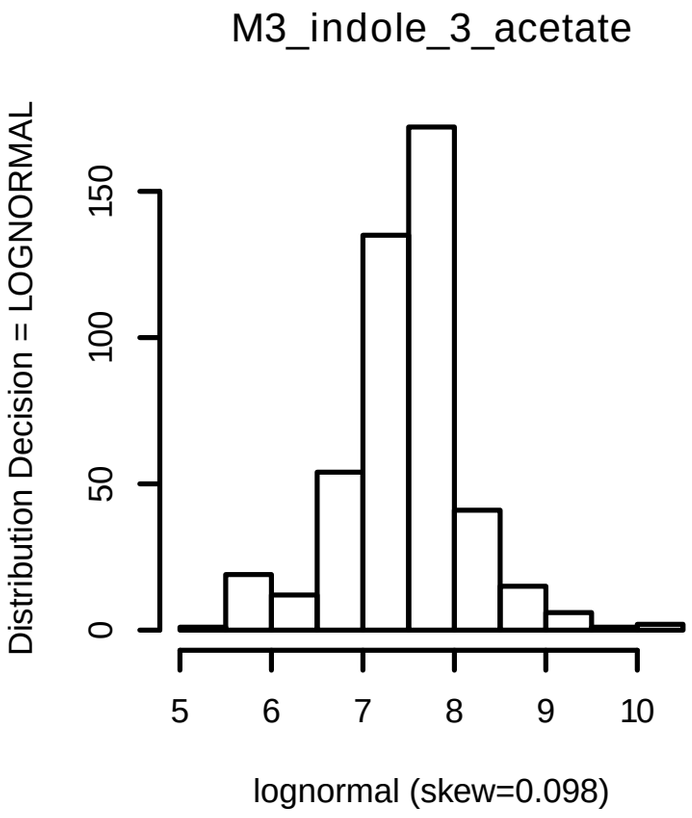

M3_pyruvic_acid
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
20000
40000
60000
normal (skew=1)

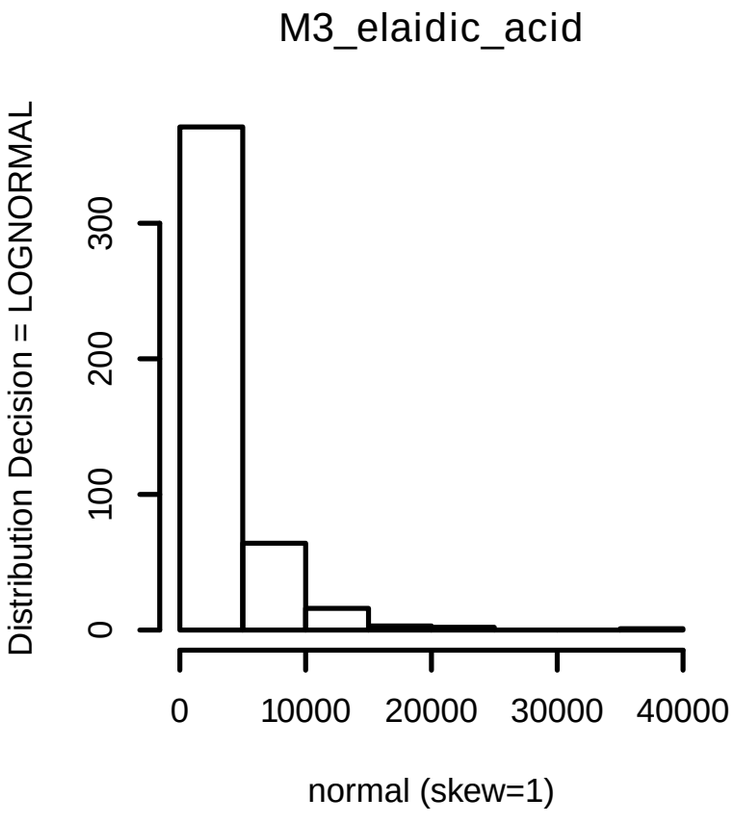

M3_pyruvic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
12
lognormal (skew=0.012)

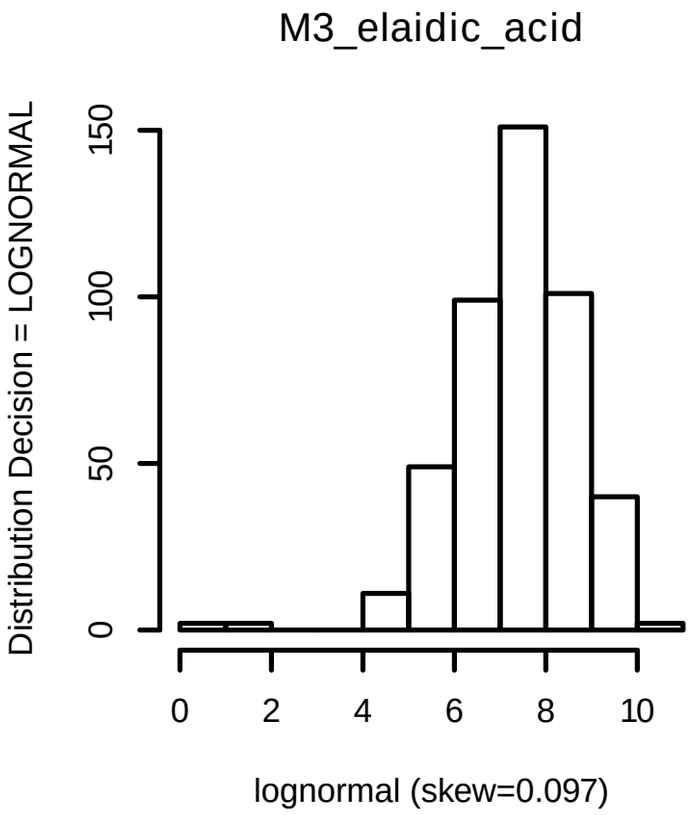

M3_heptadecanoic_acid_nist
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
15000
normal (skew=1)

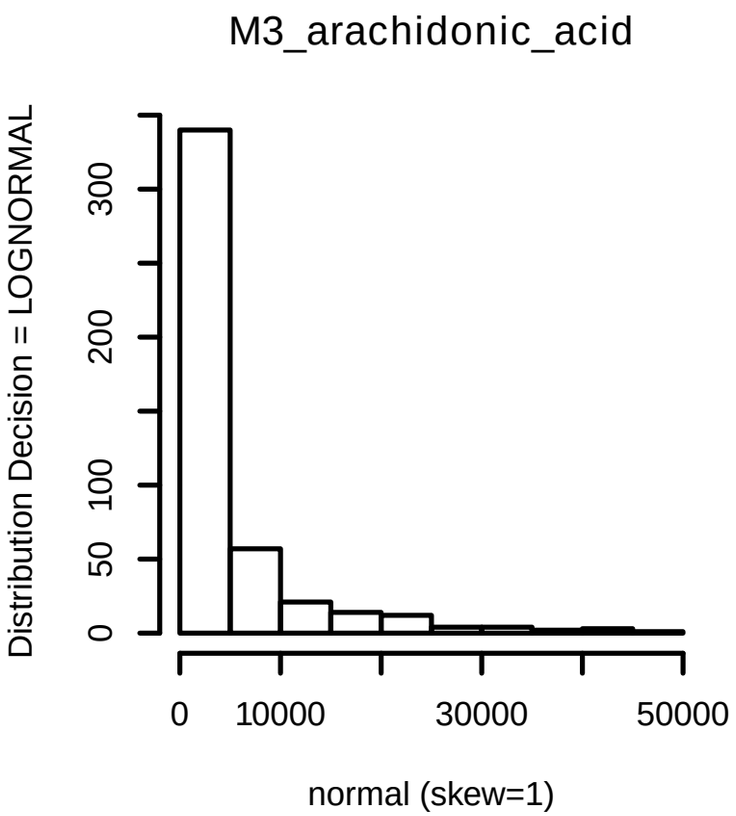

M3_heptadecanoic_acid_nist
Distribution Decision = LOGNORMAL
0
50
100
150
6
7
8
9
10
lognormal (skew=0.093)

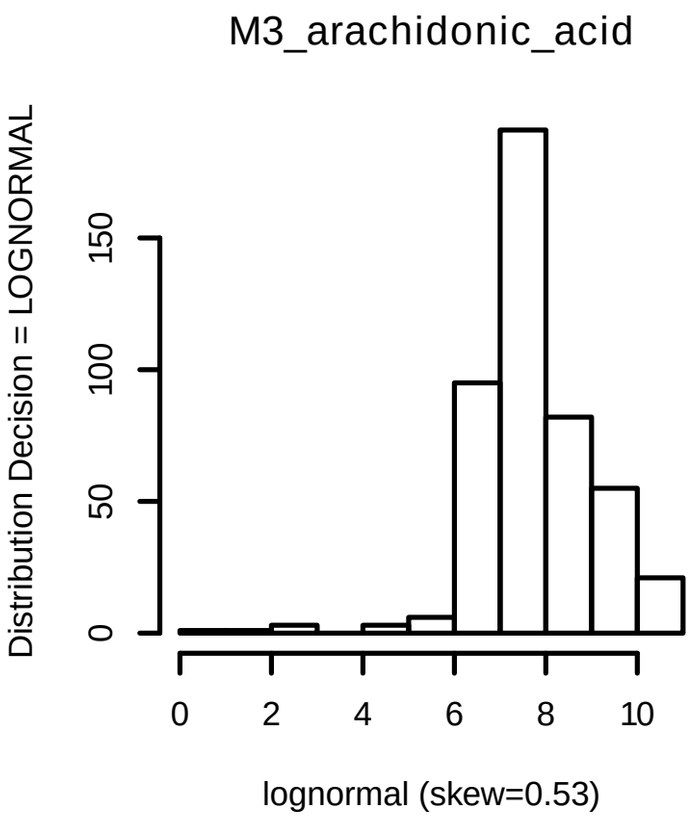

M3_indole_3_acetate
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
15000
25000
normal (skew=1)

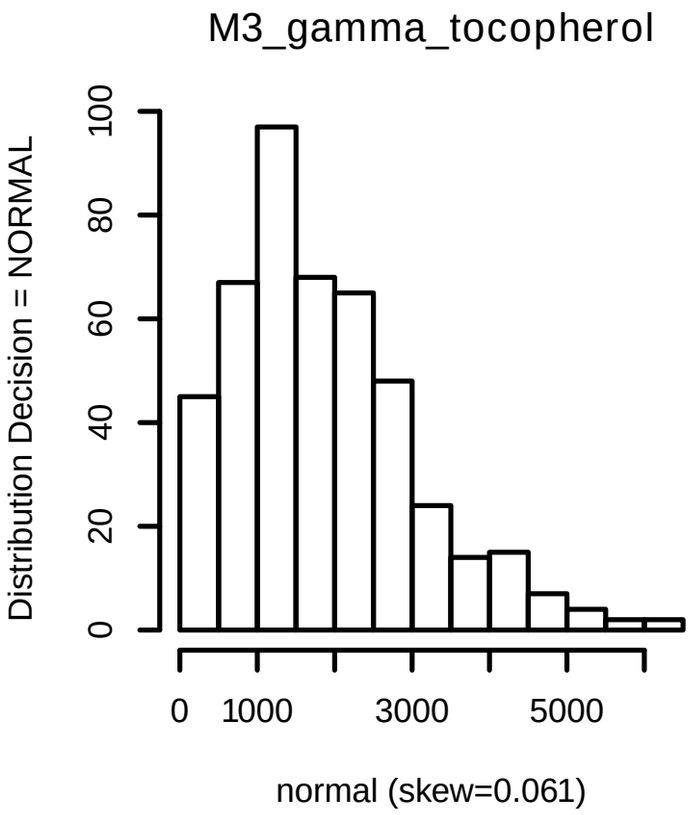

M3_indole_3_acetate
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
10
lognormal (skew=0.098)

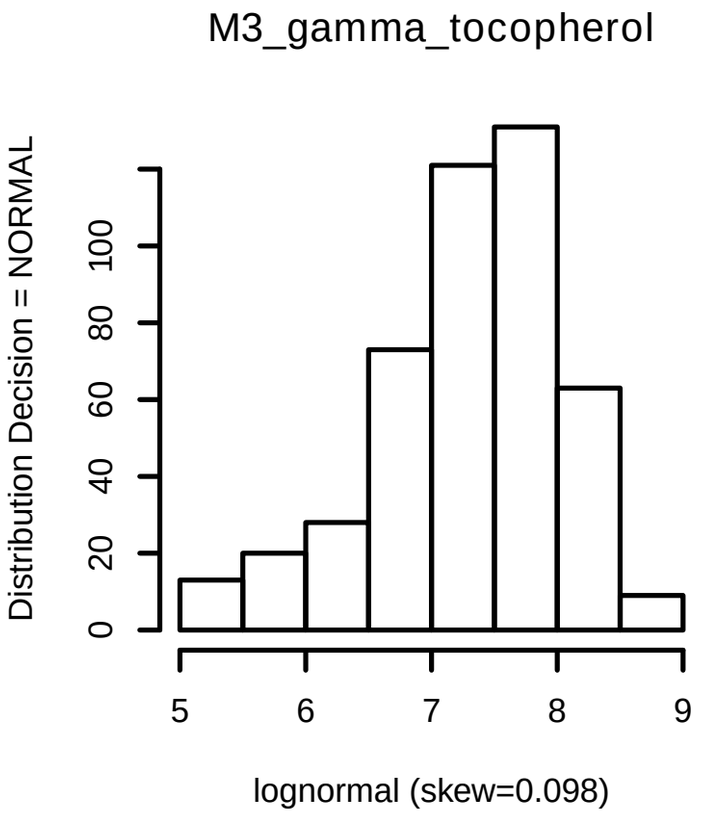

M3_elaidic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
0
10000
20000
30000
40000
normal (skew=1)

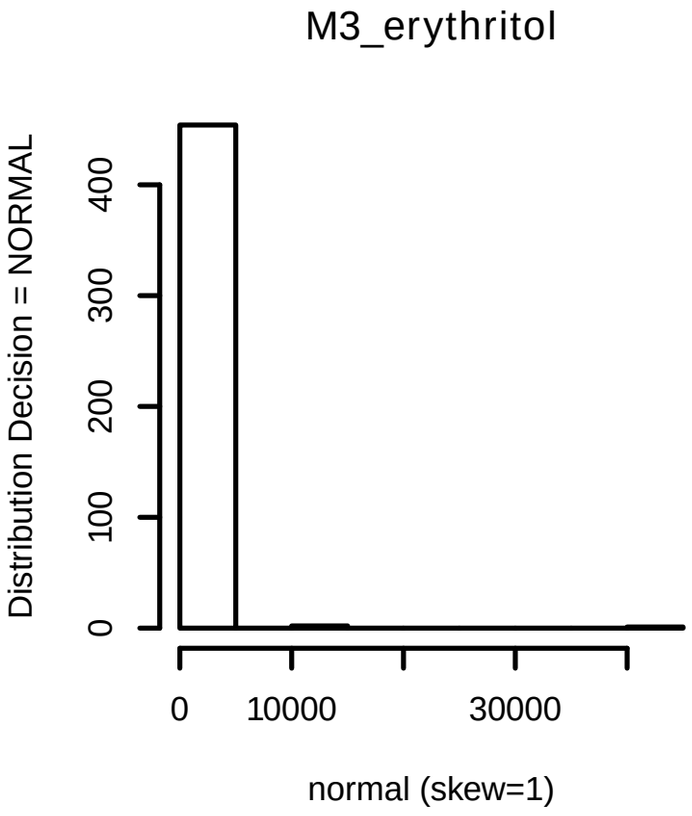

M3_elaidic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.097)

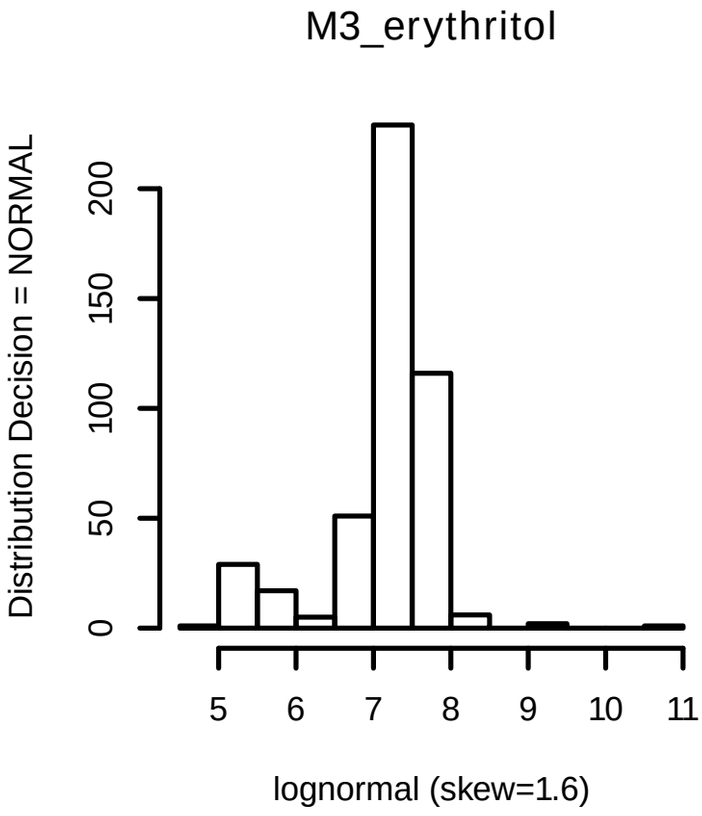

M3_arachidonic_acid
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
10000
30000
50000
normal (skew=1)

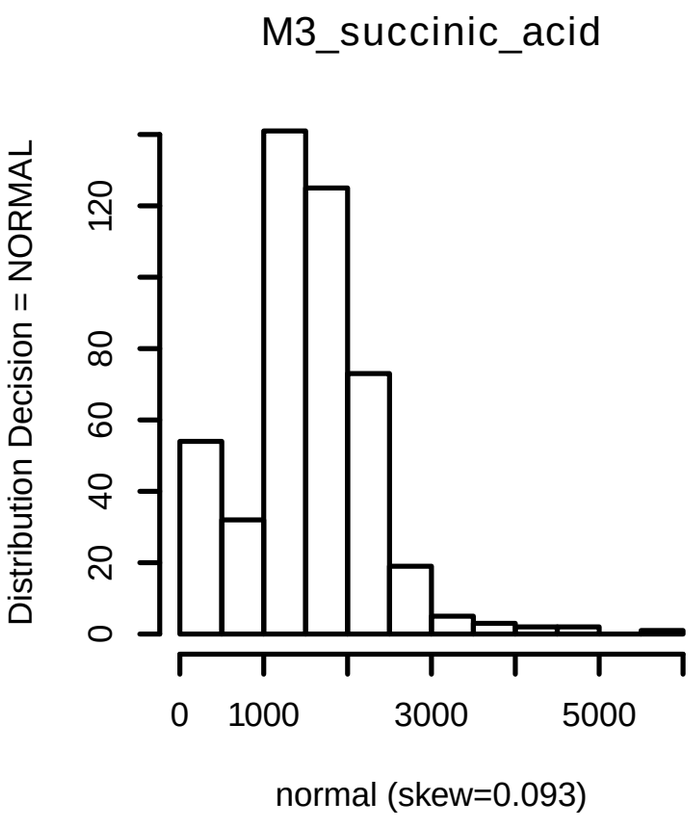

M3_arachidonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.53)

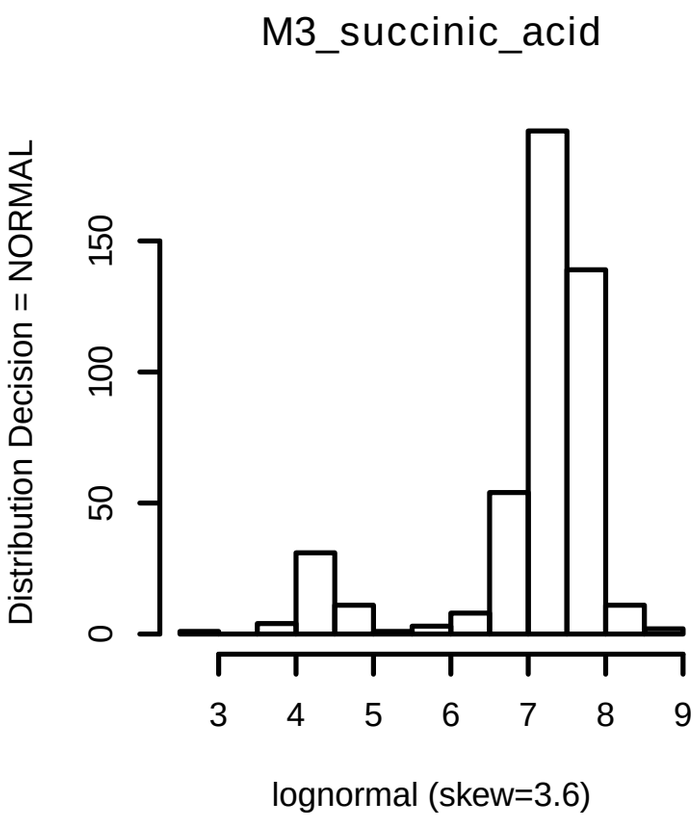

M3_gamma_tocopherol
Distribution Decision = NORMAL
0
20
40
60
80
100
0
1000
3000
5000
normal (skew=0.061)

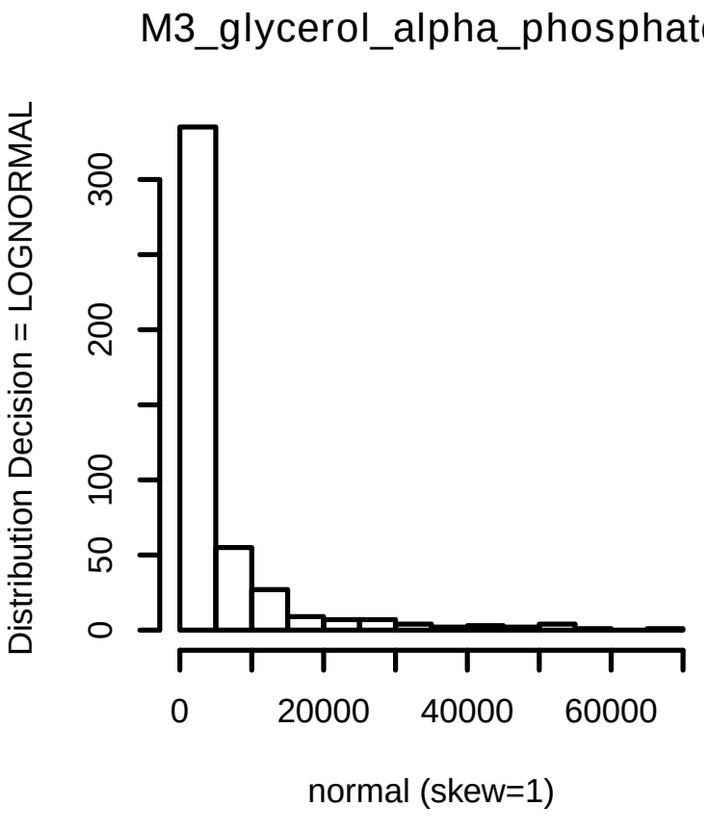

M3_gamma_tocopherol
Distribution Decision = NORMAL
0
20
40
60
80
100
5
6
7
8
9
lognormal (skew=0.098)

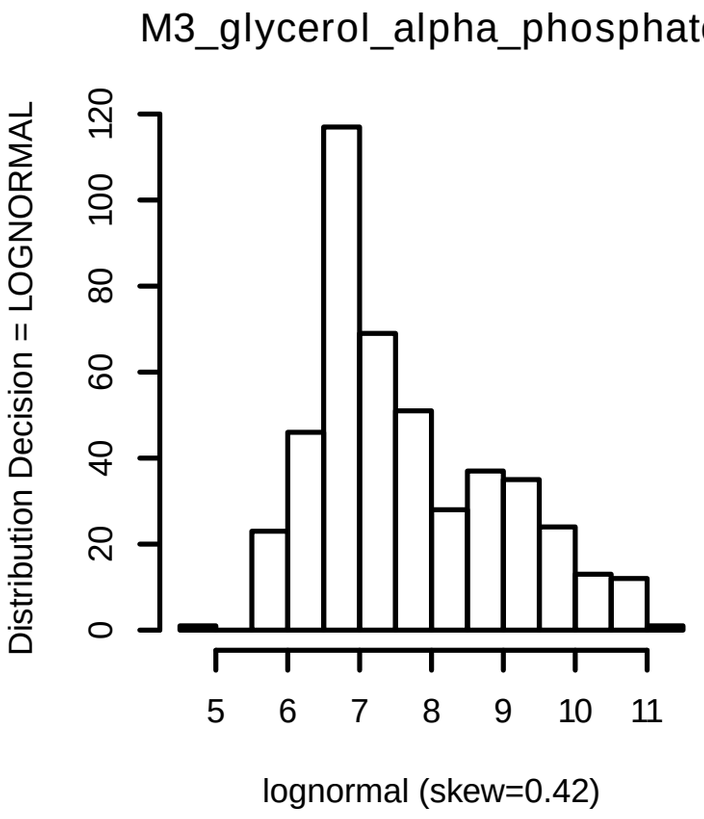

M3_erythritol
Distribution Decision = NORMAL
0
100
200
300
400
0
10000
30000
normal (skew=1)

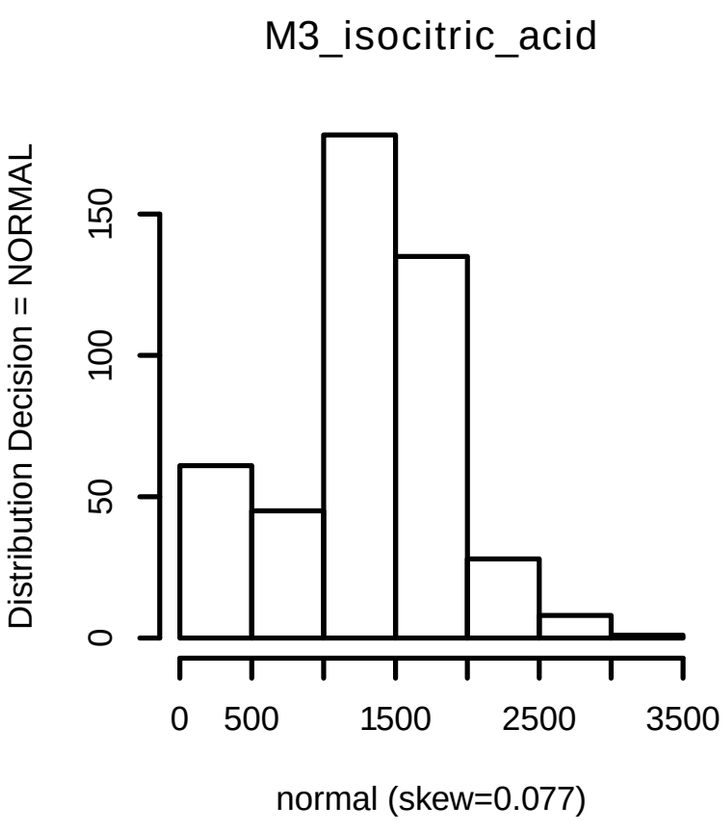

M3_erythritol
Distribution Decision = NORMAL
0
50
100
150
200
5
6
7
8
9
10
11
lognormal (skew=1.6)

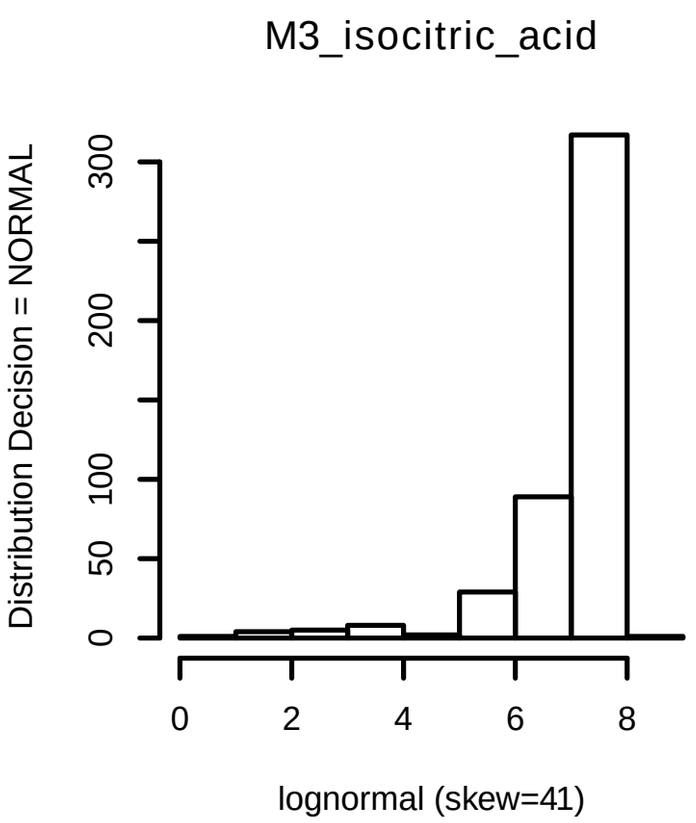

M3_succinic_acid
Distribution Decision = NORMAL
0
20
40
60
80
120
0
1000
3000
5000
normal (skew=0.093)

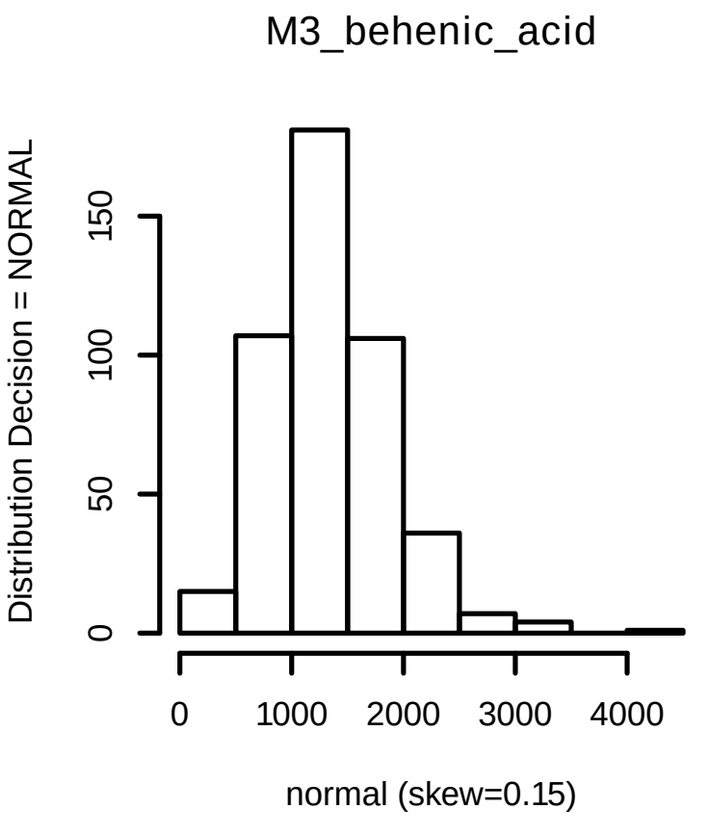

M3_succinic_acid
Distribution Decision = NORMAL
0
50
100
150
3
4
5
6
7
8
9
lognormal (skew=3.6)

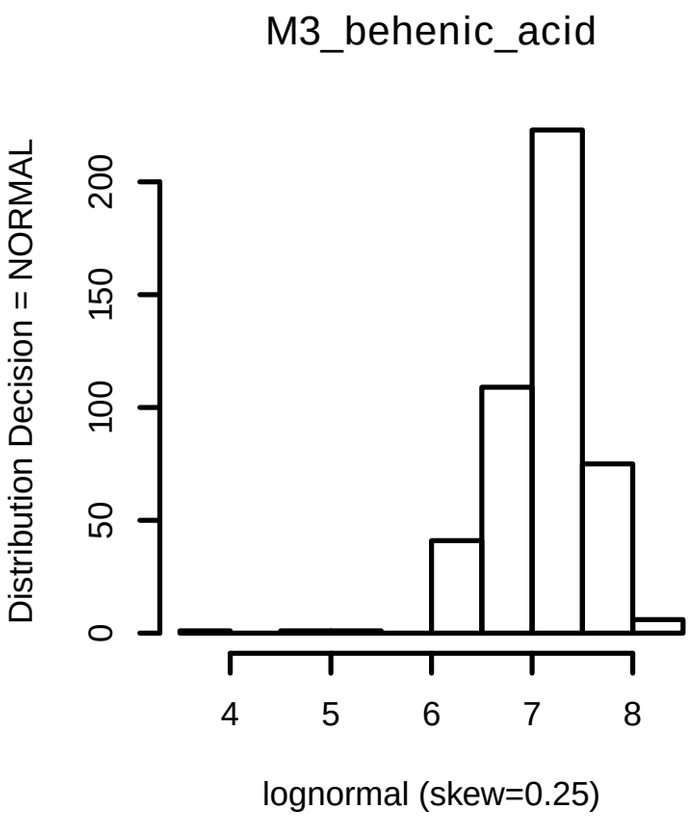

M3_glycerol_alpha_phosphate
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
20000
40000
60000
normal (skew=1)

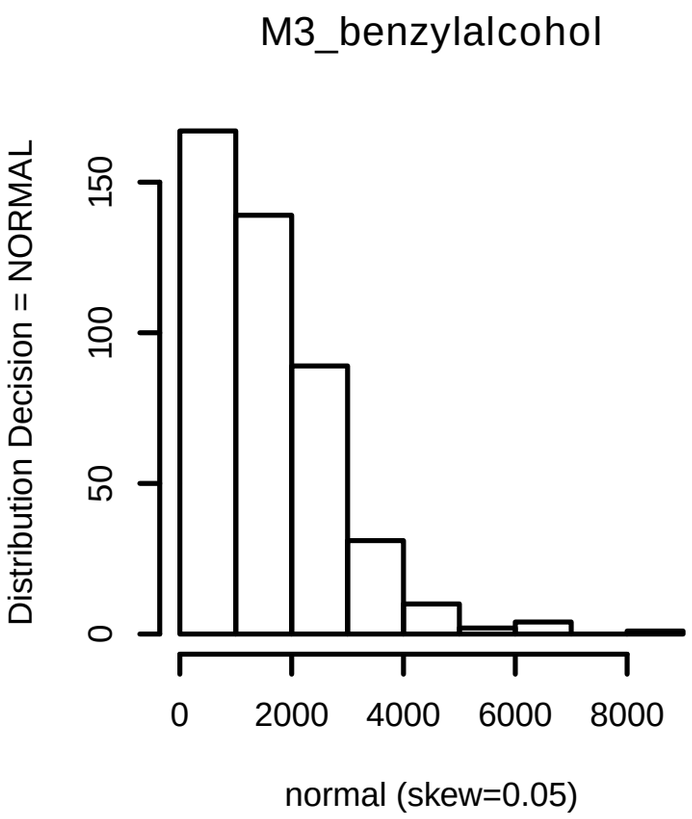

M3_glycerol_alpha_phosphate
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
5
6
7
8
9
10
11
lognormal (skew=0.42)

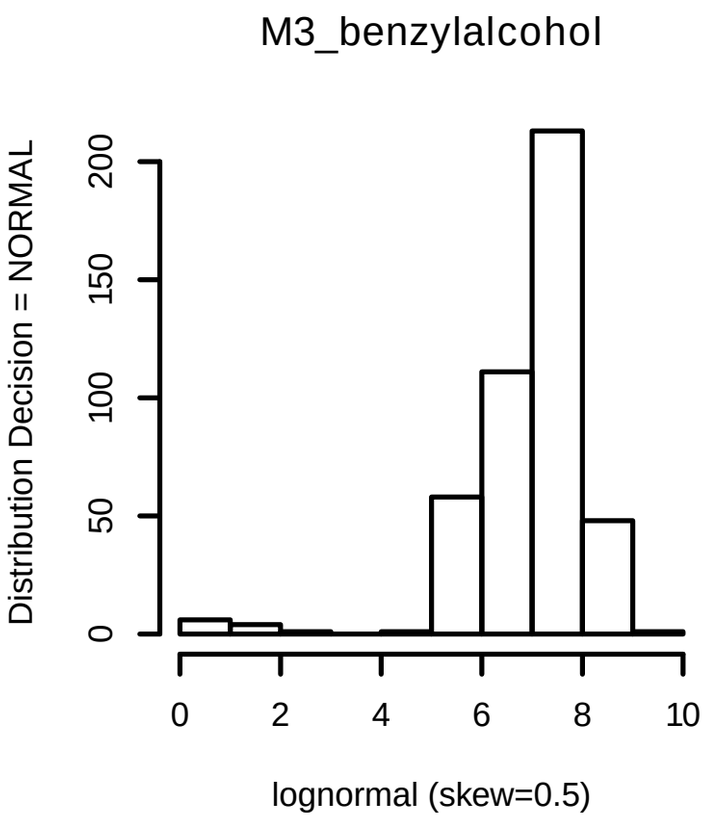

M3_isocitric_acid
Distribution Decision = NORMAL
0
50
100
150
0
500
1500
2500
3500
normal (skew=0.077)

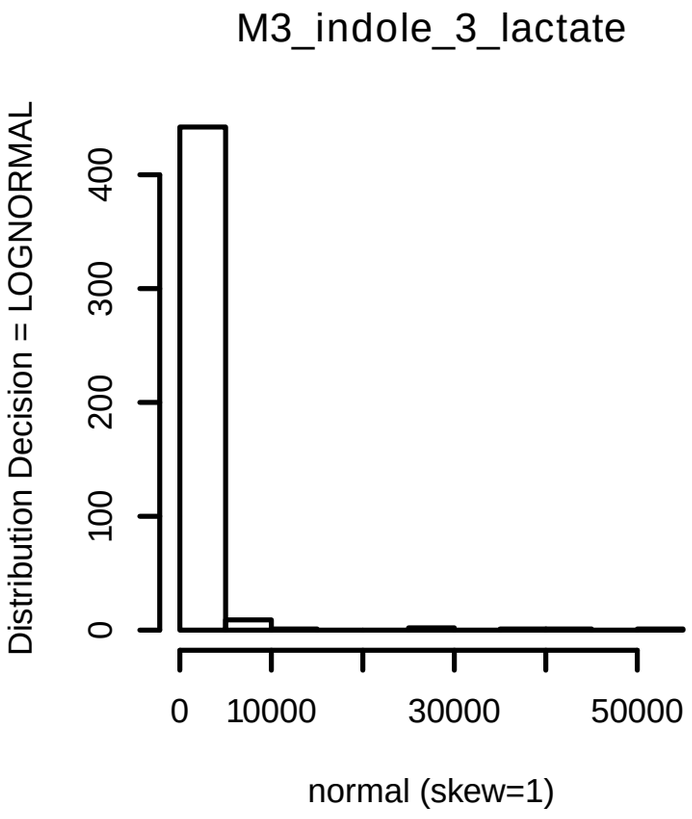

M3_isocitric_acid
Distribution Decision = NORMAL
0
50
100
200
300
0
2
4
6
8
lognormal (skew=41)

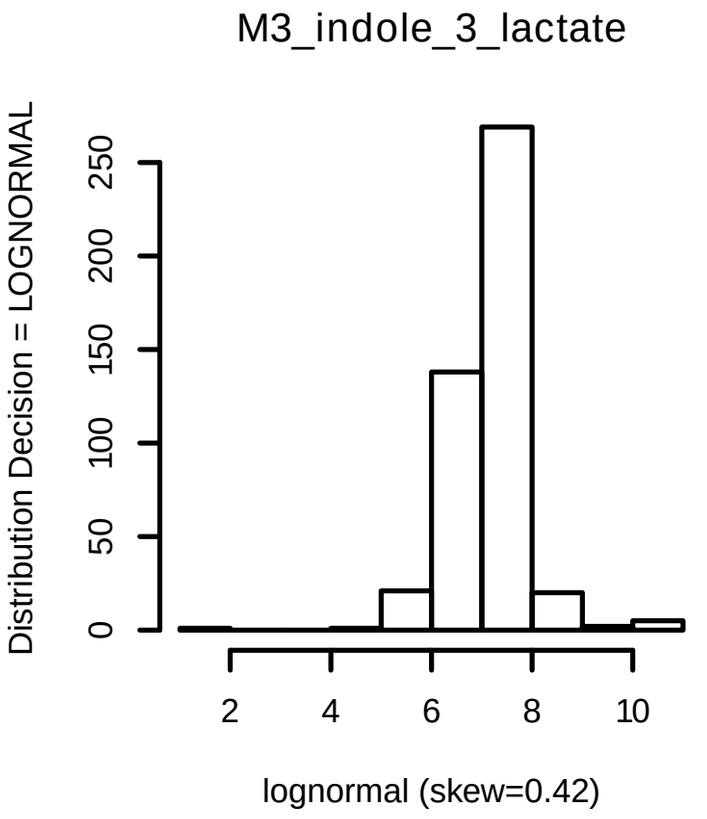

M3_behenic_acid
Distribution Decision = NORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.15)

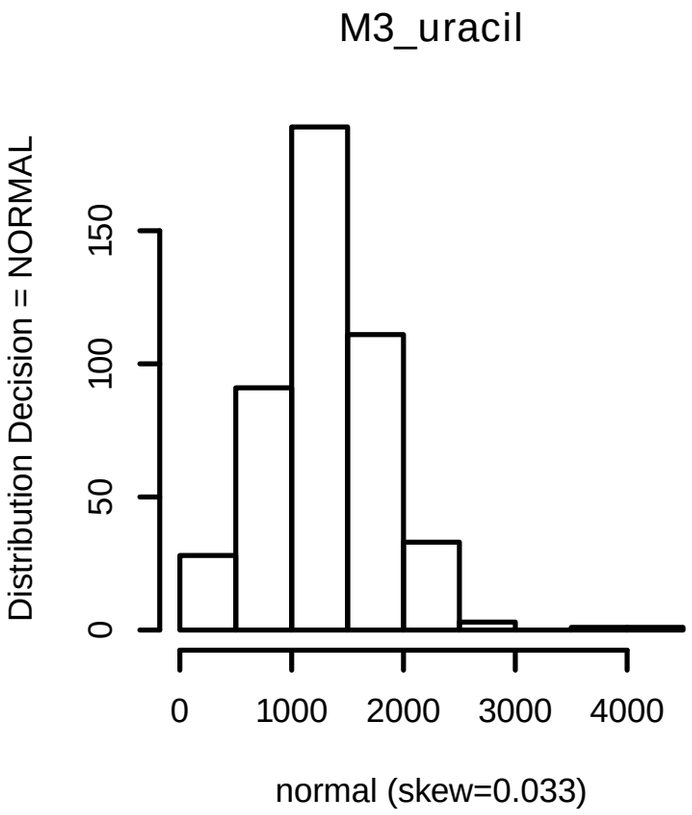

M3_behenic_acid
Distribution Decision = NORMAL
0
50
100
150
200
4
5
6
7
8
lognormal (skew=0.25)

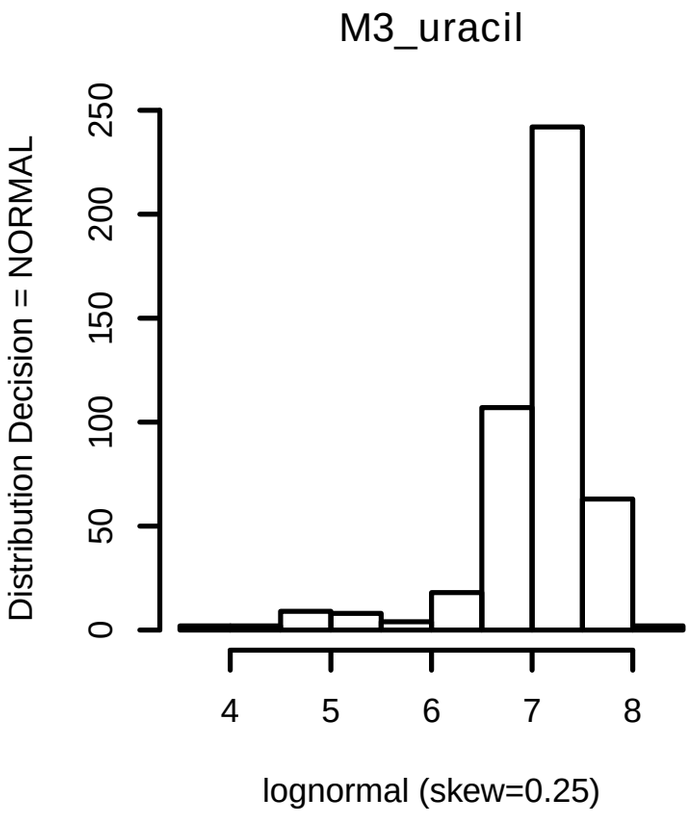

M3_benzylalcohol
Distribution Decision = NORMAL
0
50
100
150
0
2000
4000
6000
8000
normal (skew=0.05)

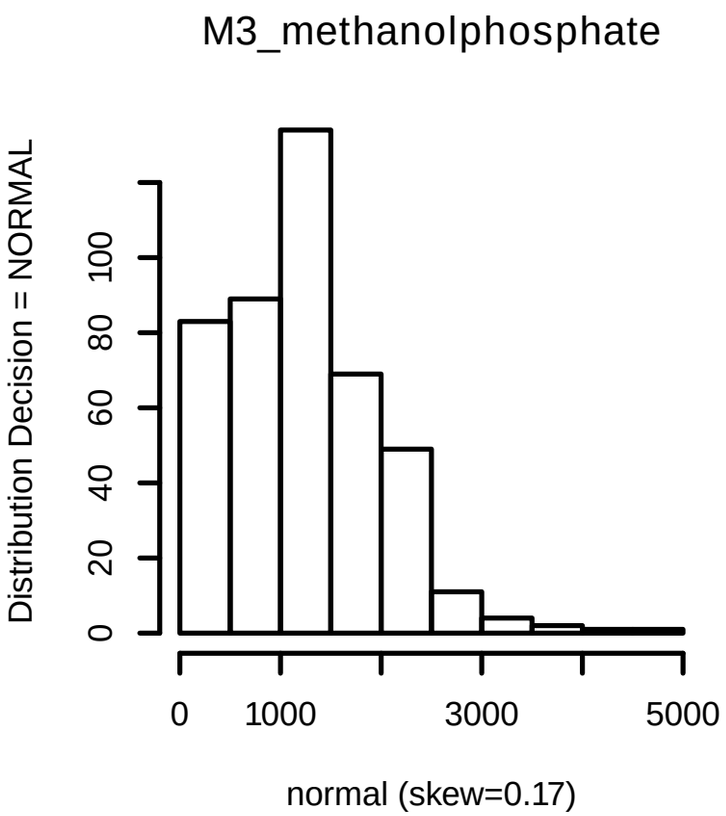

M3_benzylalcohol
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=0.5)

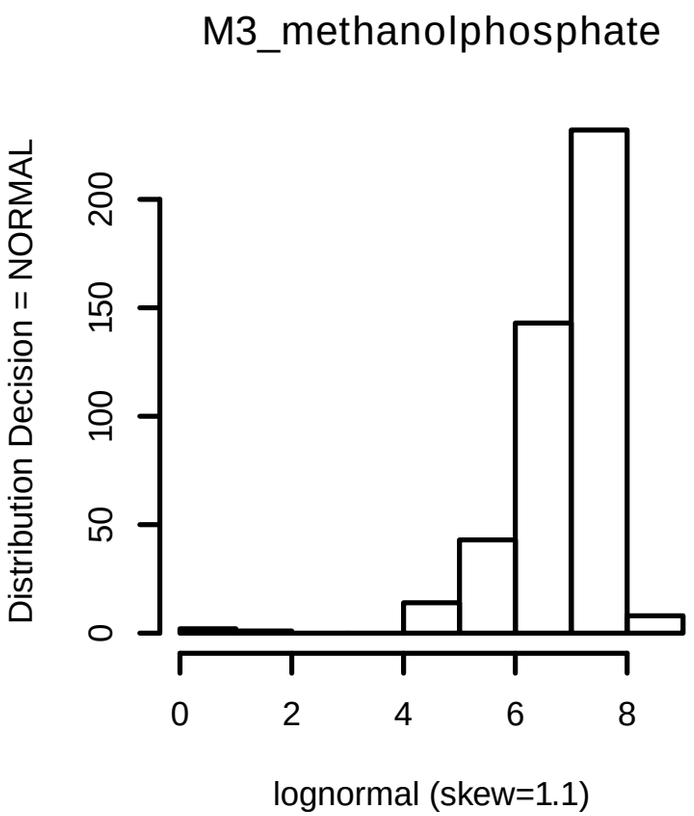

M3_indole_3_lactate
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
30000
50000
normal (skew=1)

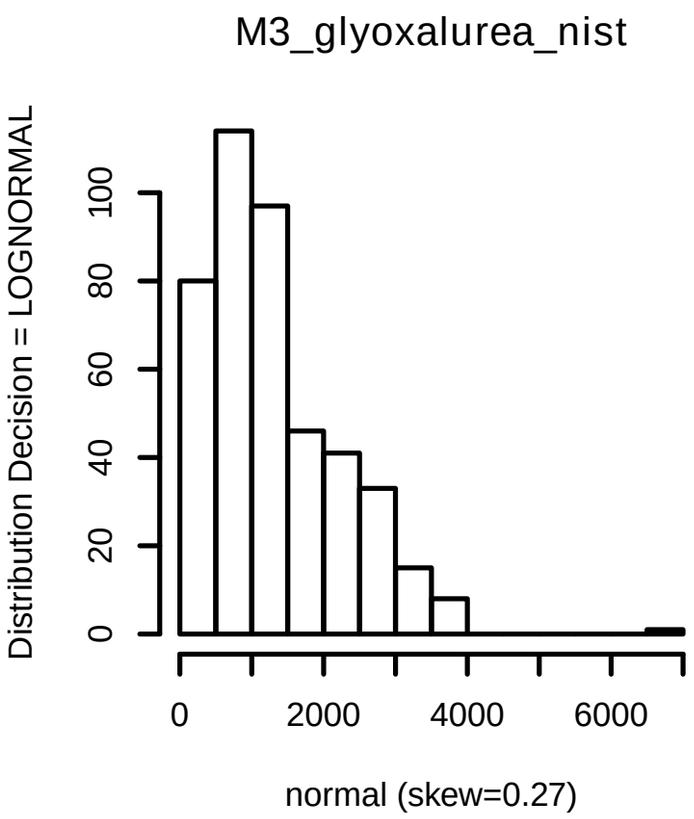

M3_indole_3_lactate
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
2
4
6
8
10
lognormal (skew=0.42)

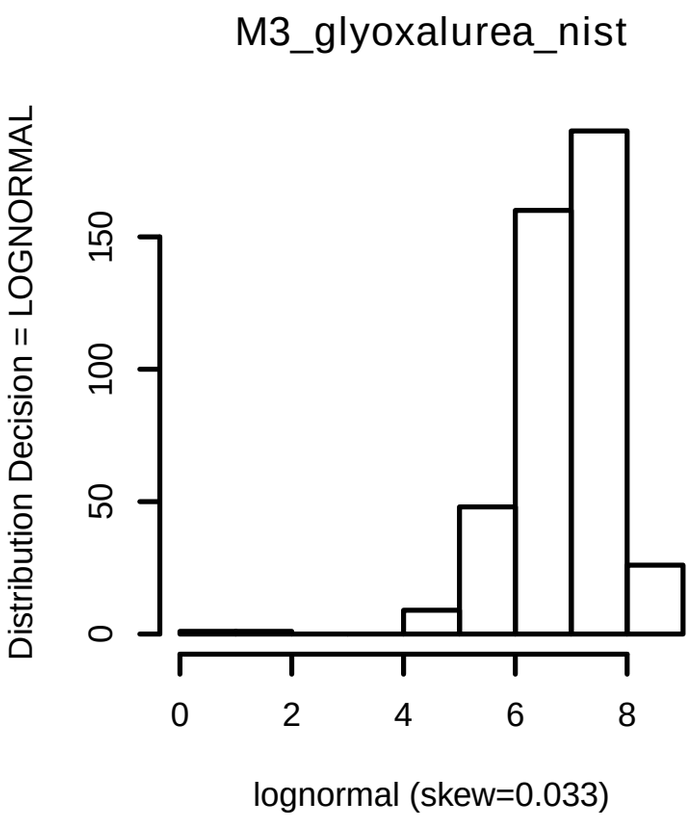

M3_uracil
Distribution Decision = NORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.033)

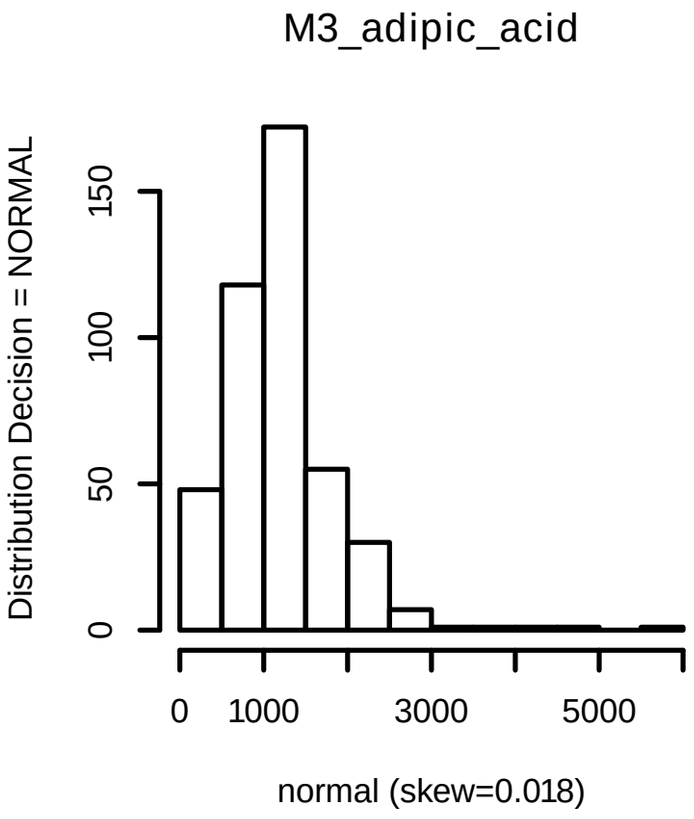

M3_uracil
Distribution Decision = NORMAL
0
50
100
150
200
250
4
5
6
7
8
lognormal (skew=0.25)

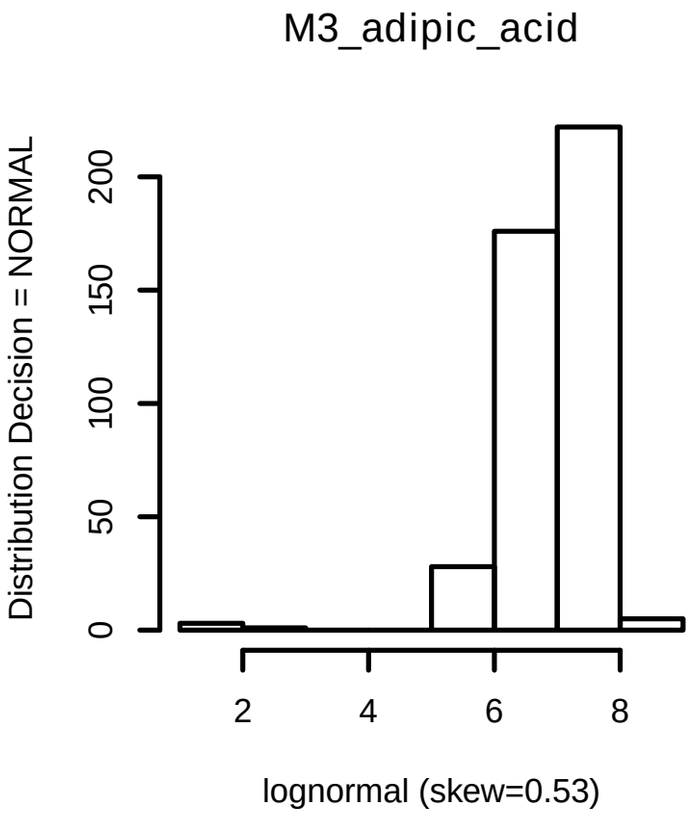

M3_methanolphosphate
Distribution Decision = NORMAL
0
20
40
60
80
100
0
1000
3000
5000
normal (skew=0.17)

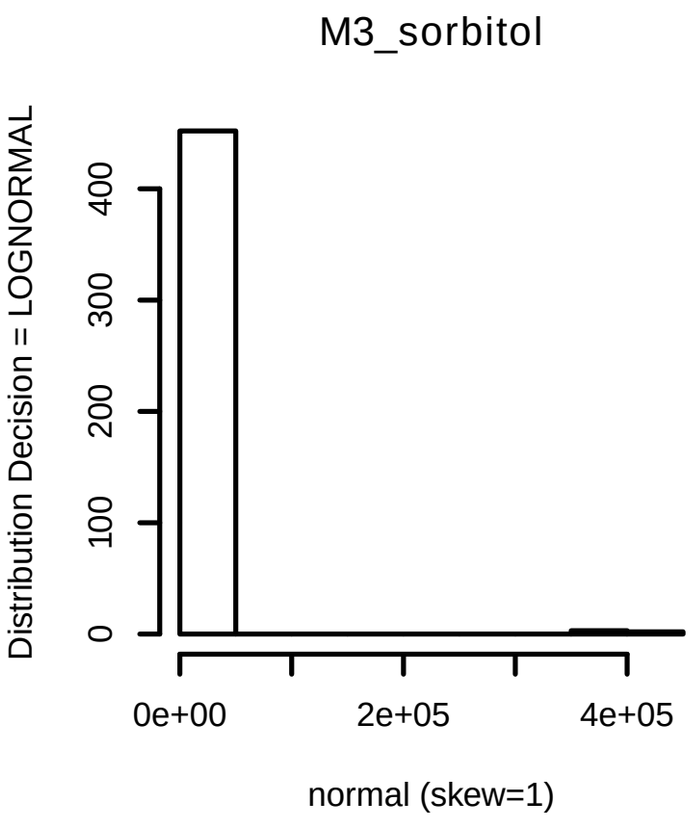

M3_methanolphosphate
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=1.1)

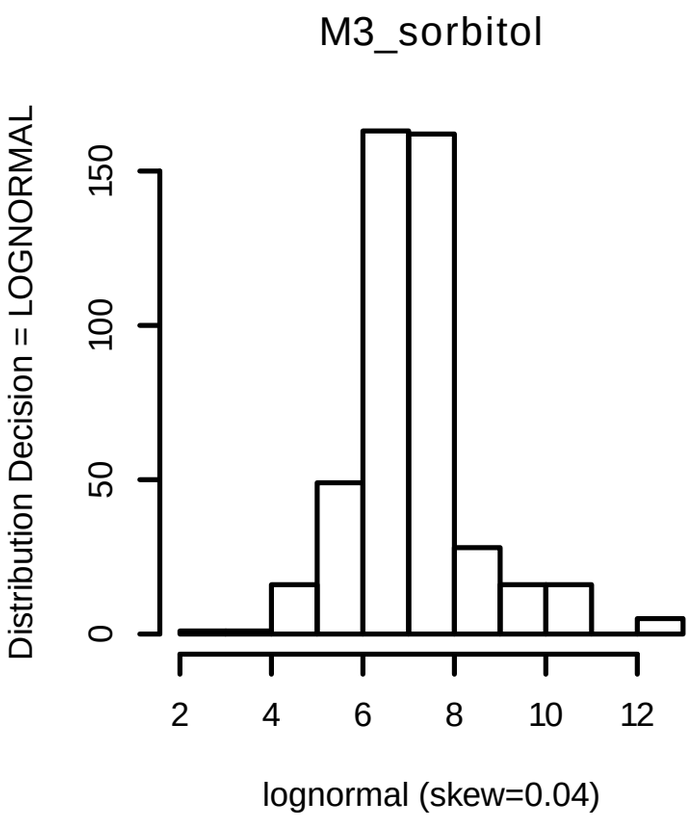

M3_glyoxalurea_nist
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2000
4000
6000
normal (skew=0.27)

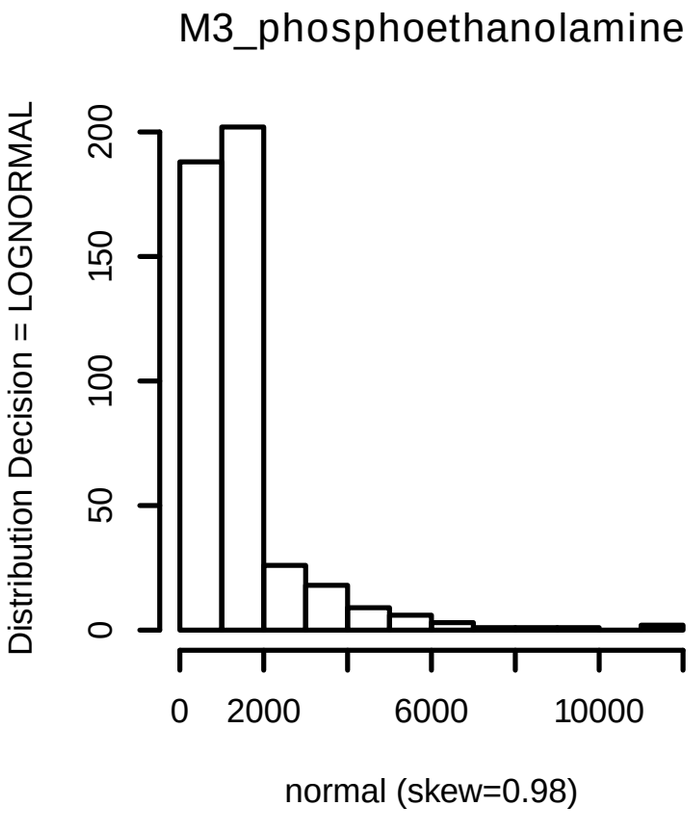

M3_glyoxalurea_nist
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.033)

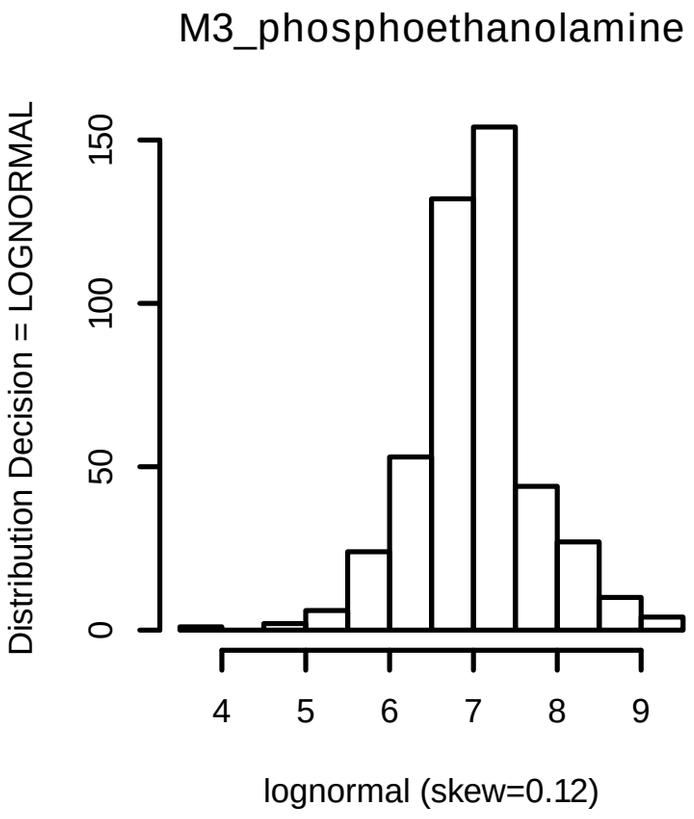

M3_adipic_acid
Distribution Decision = NORMAL
0
50
100
150
0
1000
3000
5000
normal (skew=0.018)

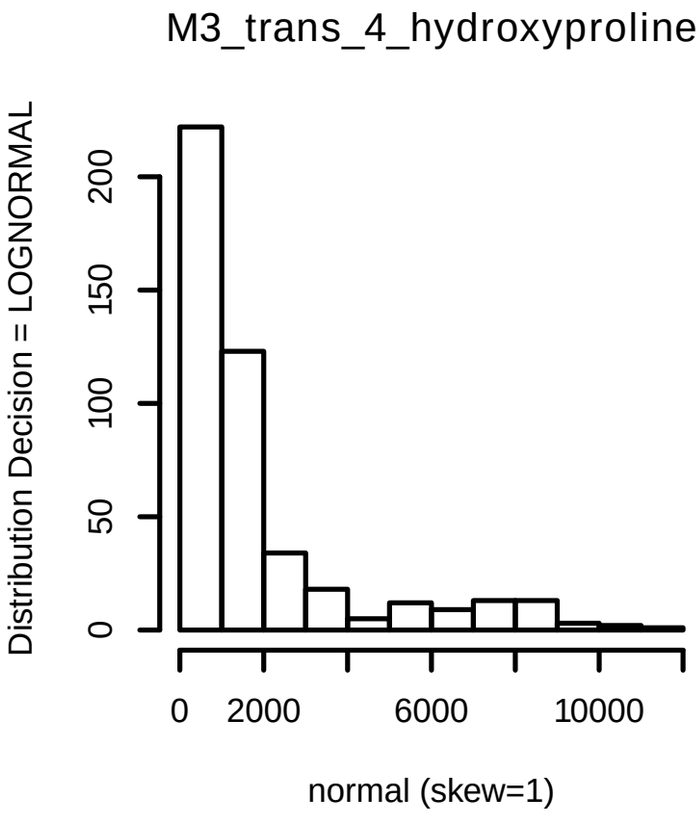

M3_adipic_acid
Distribution Decision = NORMAL
0
50
100
150
200
2
4
6
8
lognormal (skew=0.53)

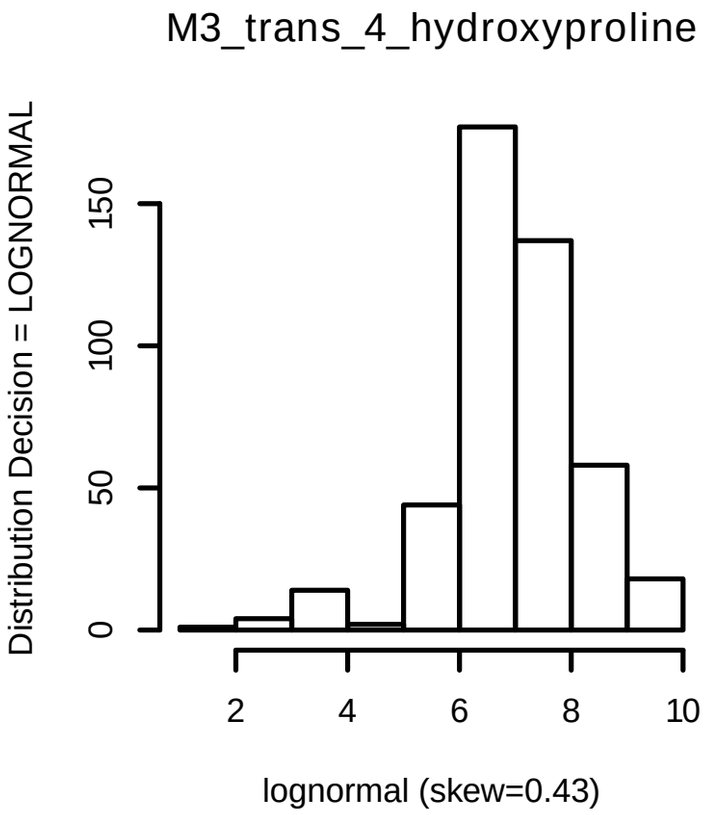

M3_sorbitol
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
2e+05
4e+05
normal (skew=1)

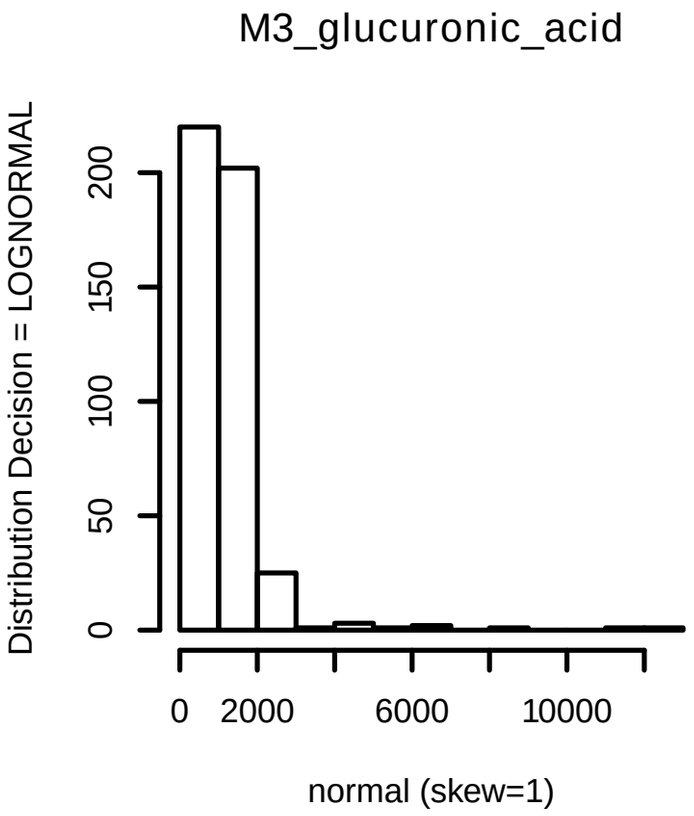

M3_sorbitol
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
12
lognormal (skew=0.04)

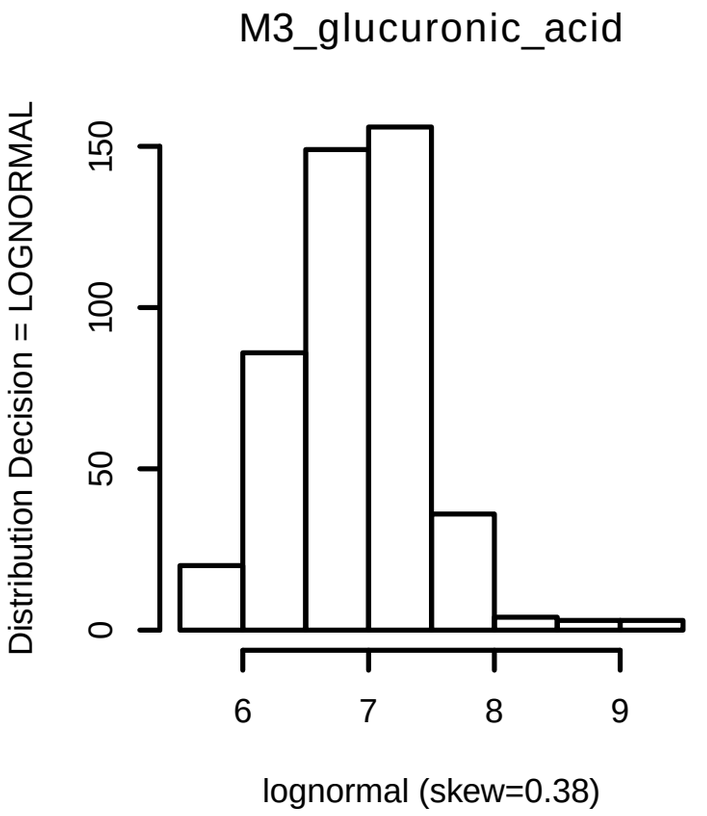

M3_phosphoethanolamine
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2000
6000
10000
normal (skew=0.98)

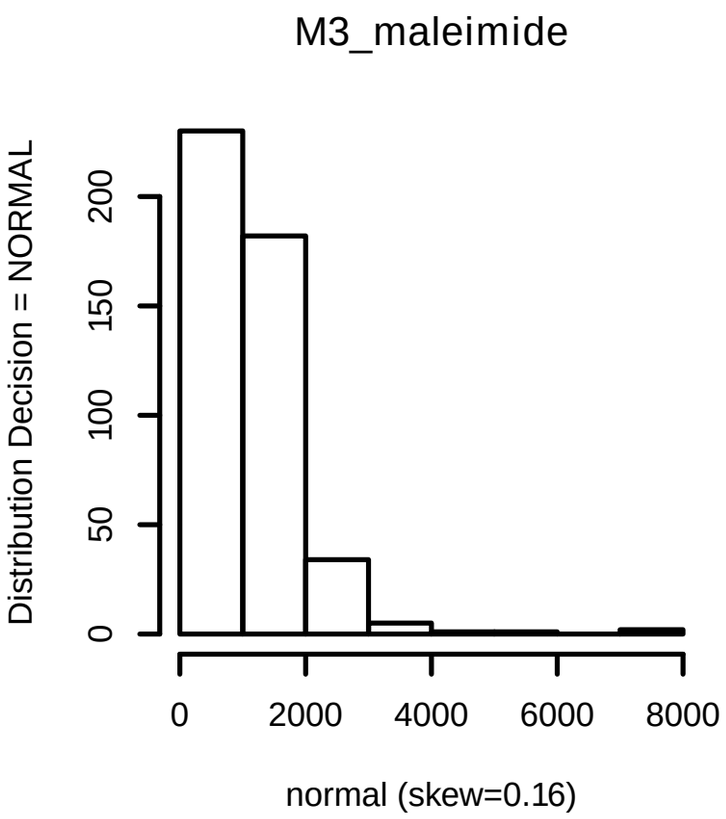

M3_phosphoethanolamine
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
lognormal (skew=0.12)

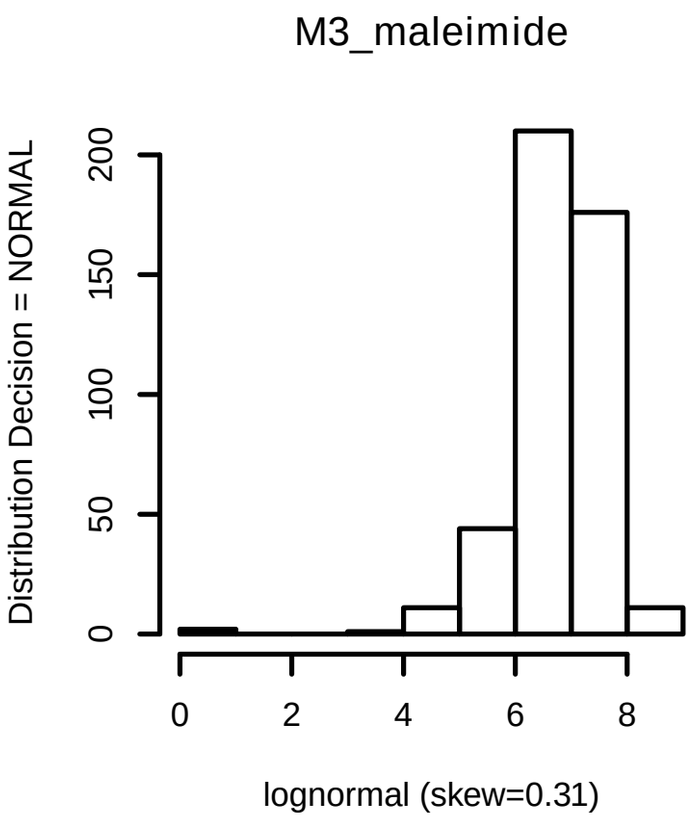

M3_trans_4_hydroxyproline
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2000
6000
10000
normal (skew=1)

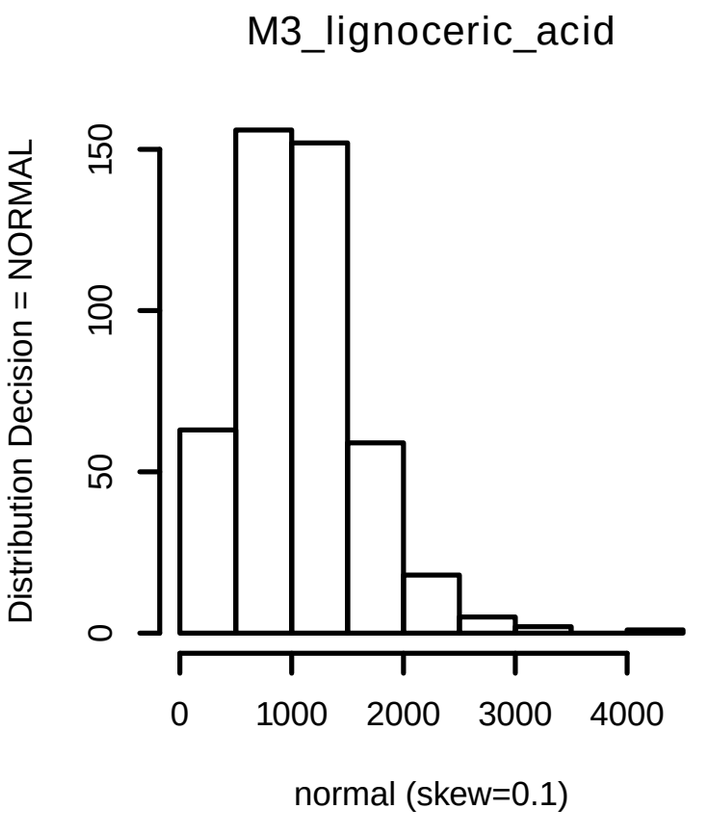

M3_trans_4_hydroxyproline
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.43)

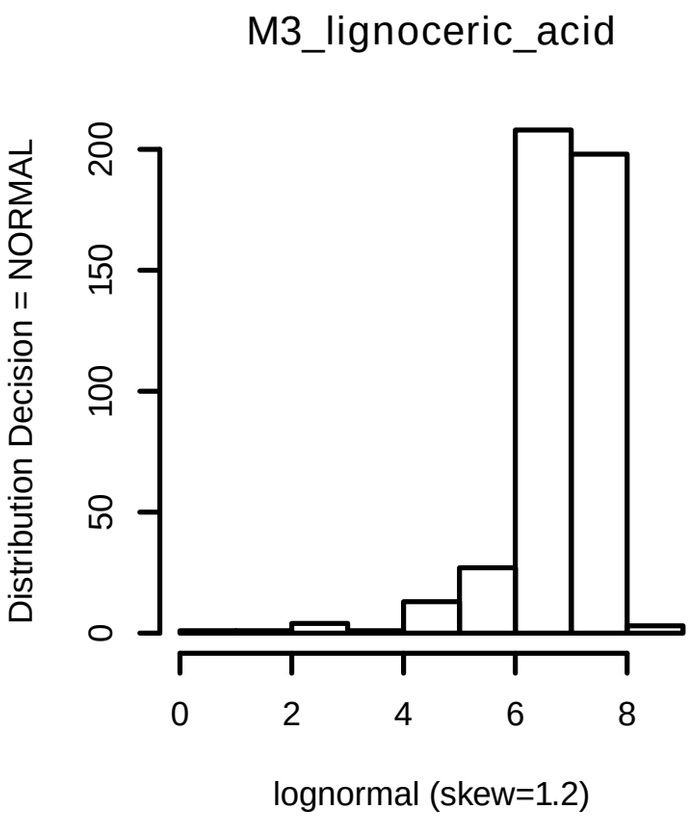

M3_glucuronic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2000
6000
10000
normal (skew=1)

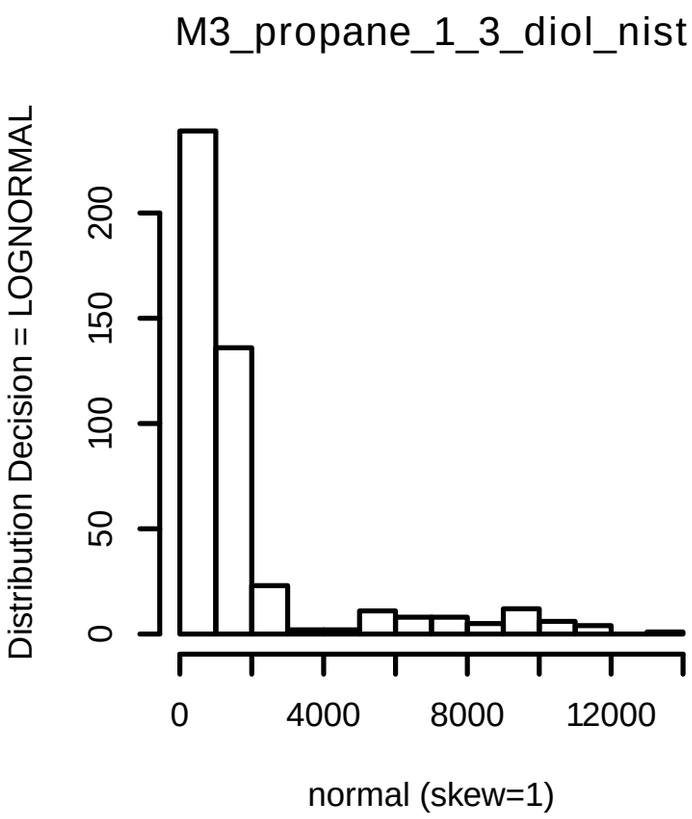

M3_glucuronic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
6
7
8
9
lognormal (skew=0.38)

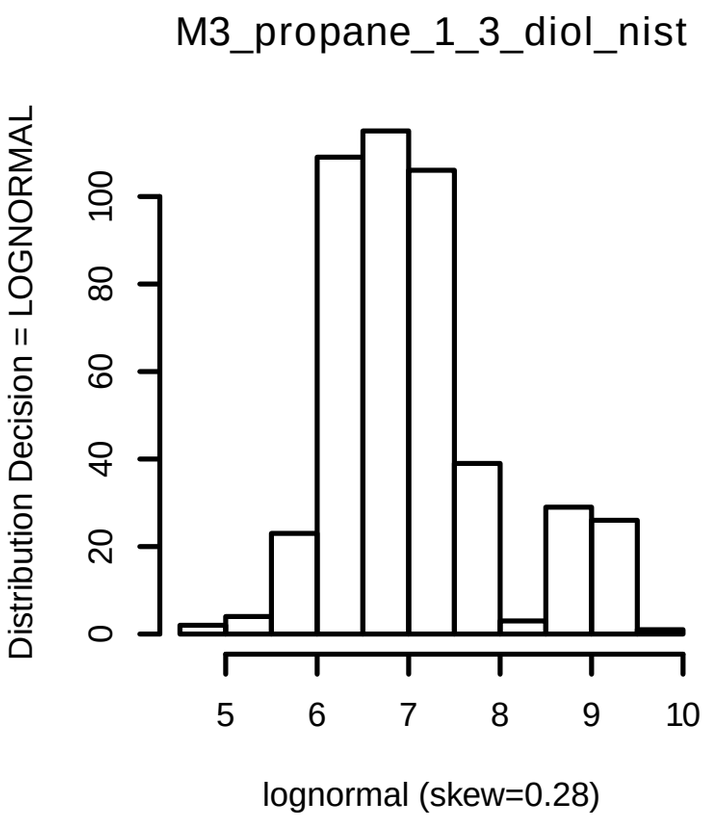

M3_maleimide
Distribution Decision = NORMAL
0
50
100
150
200
0
2000
4000
6000
8000
normal (skew=0.16)

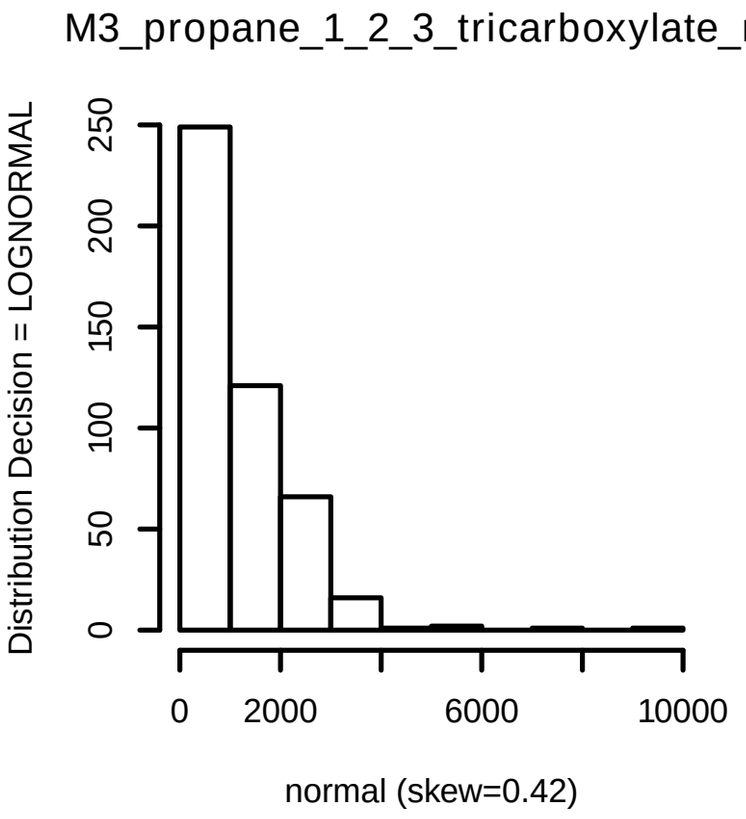

M3_maleimide
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.31)

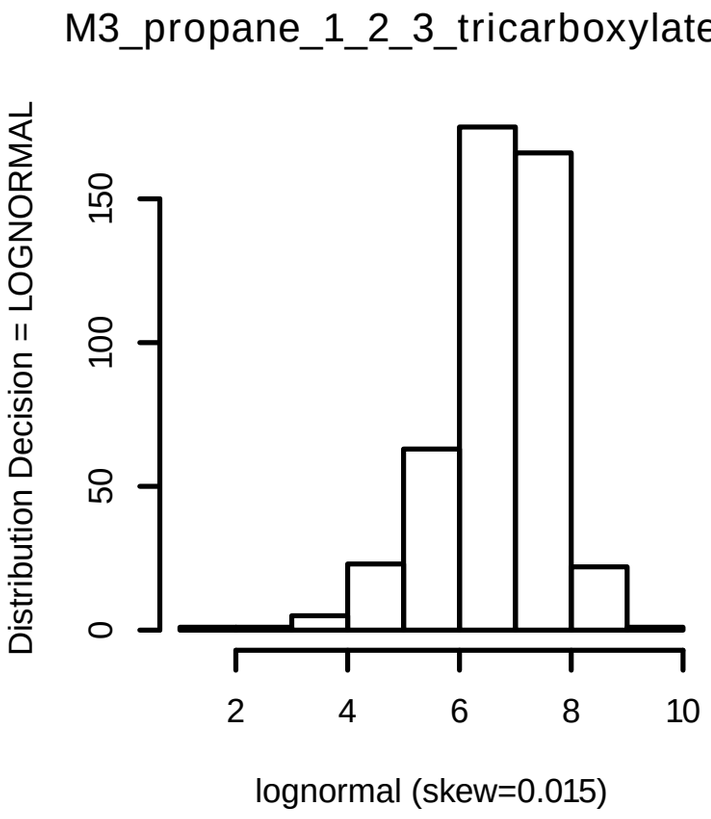

M3_lignoceric_acid
Distribution Decision = NORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.1)

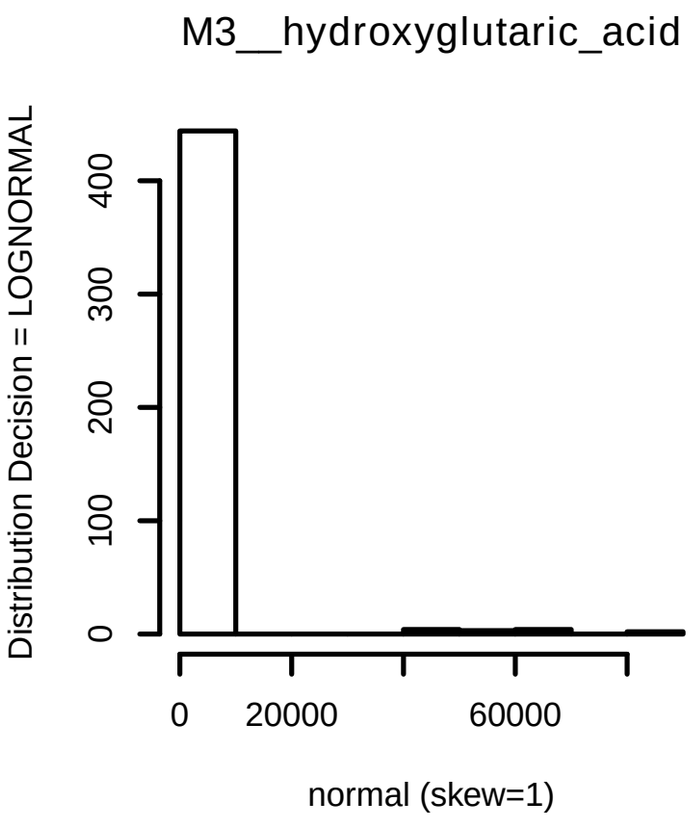

M3_lignoceric_acid
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=1.2)

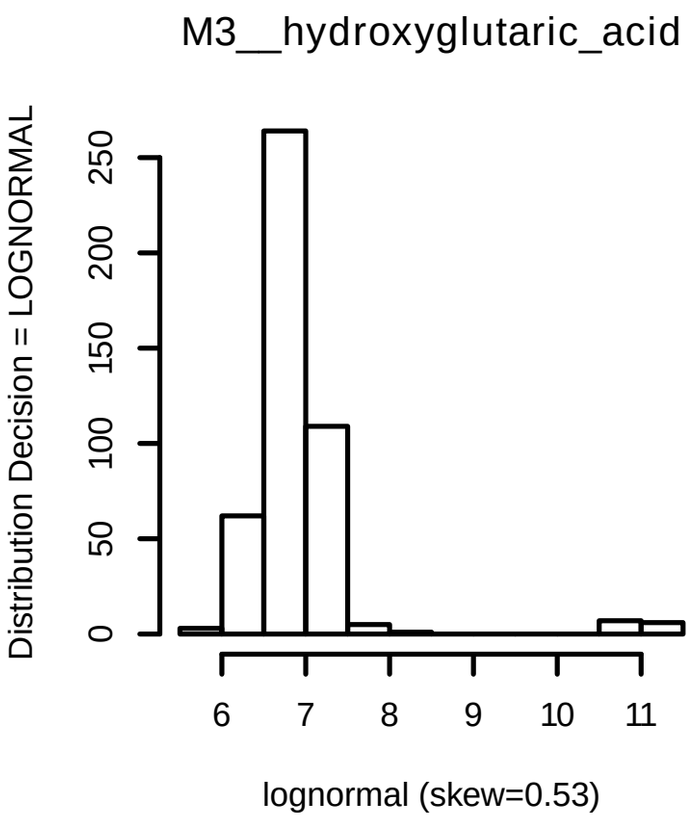

M3_propane_1_3_diol_nist
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
4000
8000
12000
normal (skew=1)

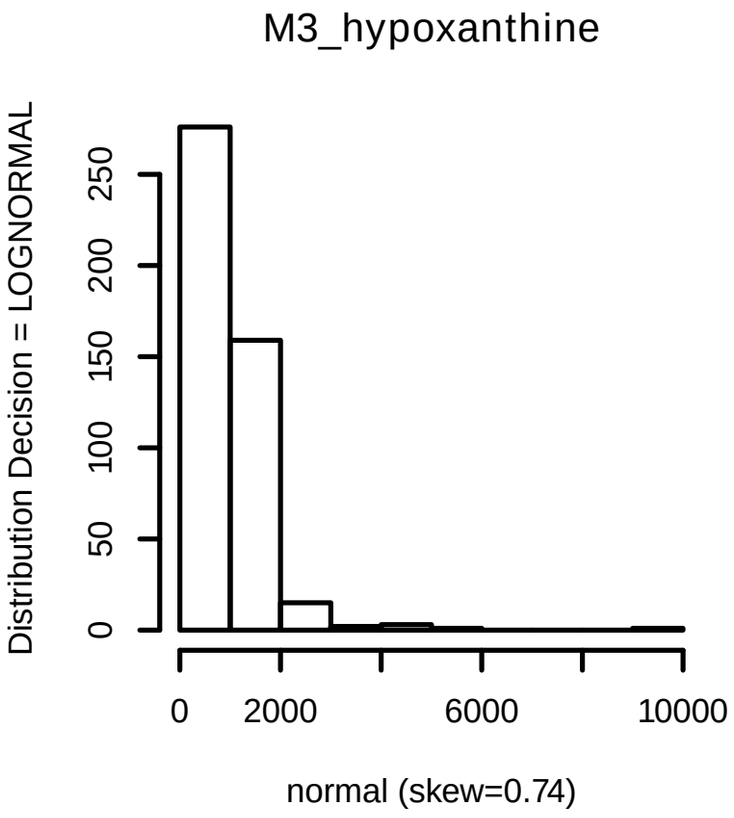

M3_propane_1_3_diol_nist
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
10
lognormal (skew=0.28)

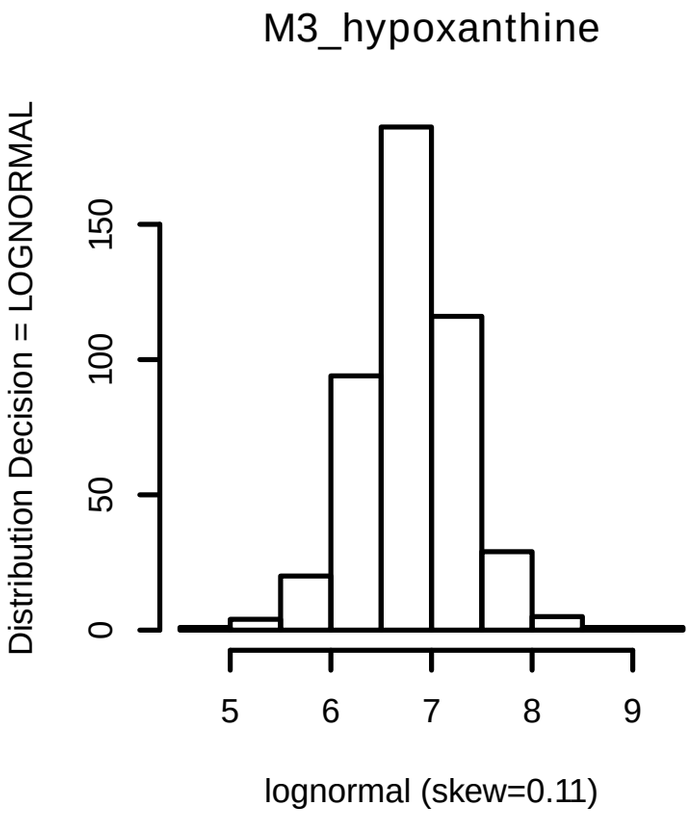

M3_propane_1_2_3_tricarboxylate_nis
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2000
6000
10000
normal (skew=0.42)

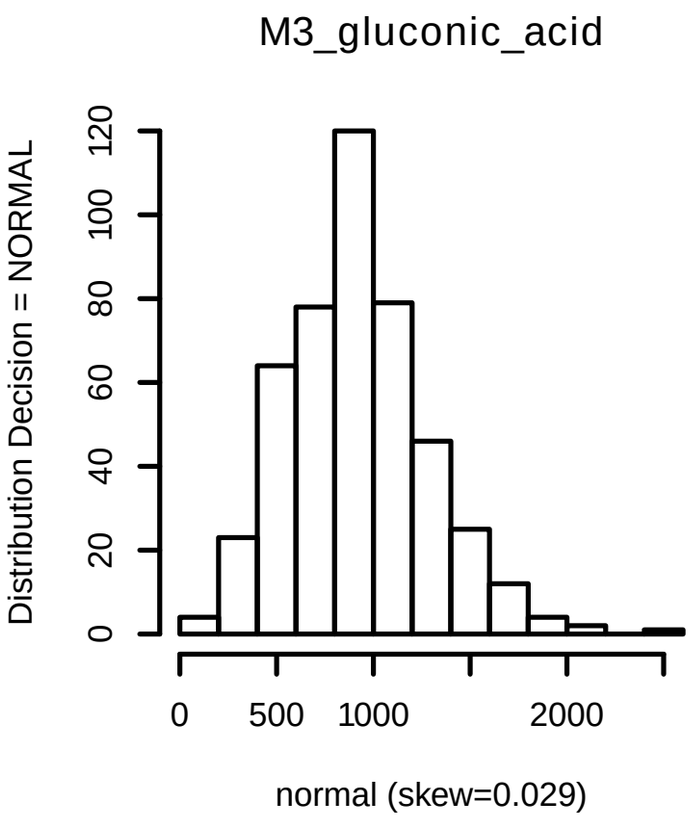

M3_propane_1_2_3_tricarboxylate_nis
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.015)

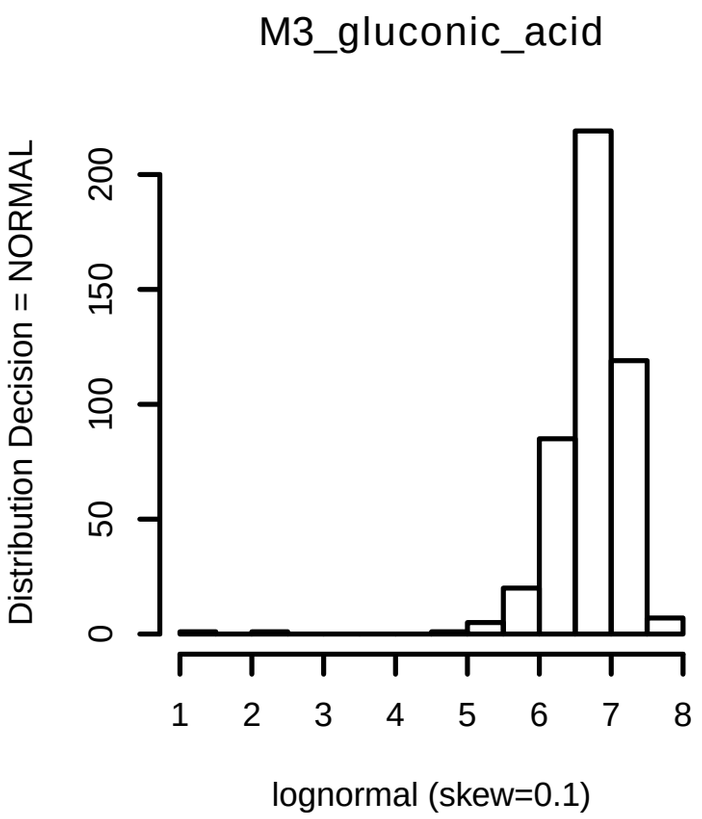

M3__hydroxyglutaric_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
60000
normal (skew=1)

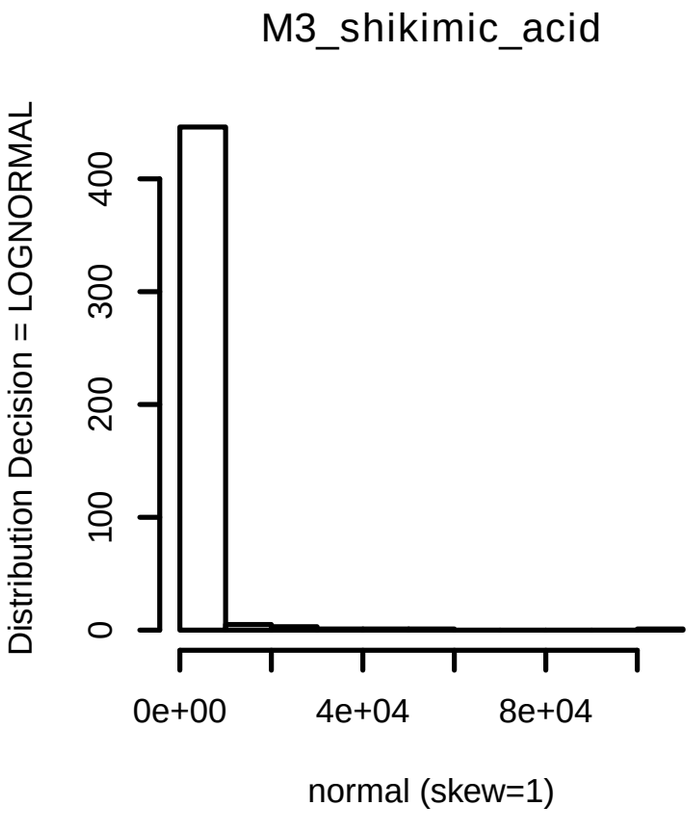

M3__hydroxyglutaric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
6
7
8
9
10
11
lognormal (skew=0.53)

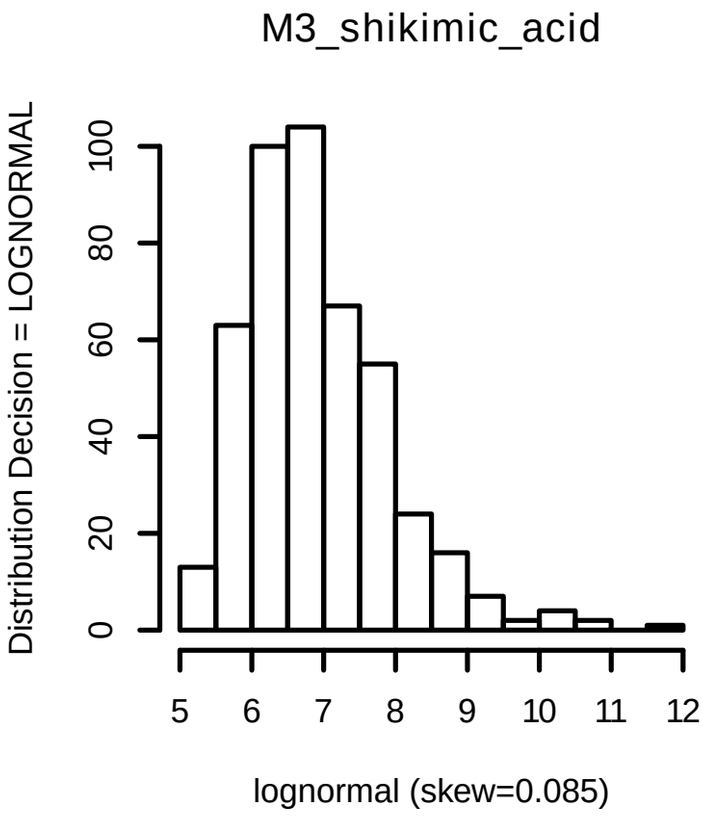

M3_hypoxanthine
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2000
6000
10000
normal (skew=0.74)

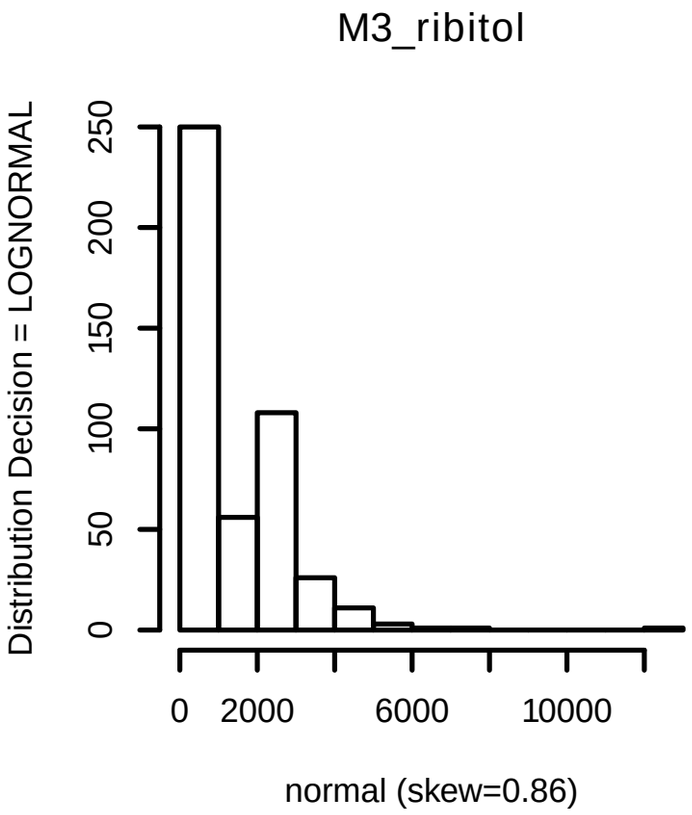

M3_hypoxanthine
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
lognormal (skew=0.11)

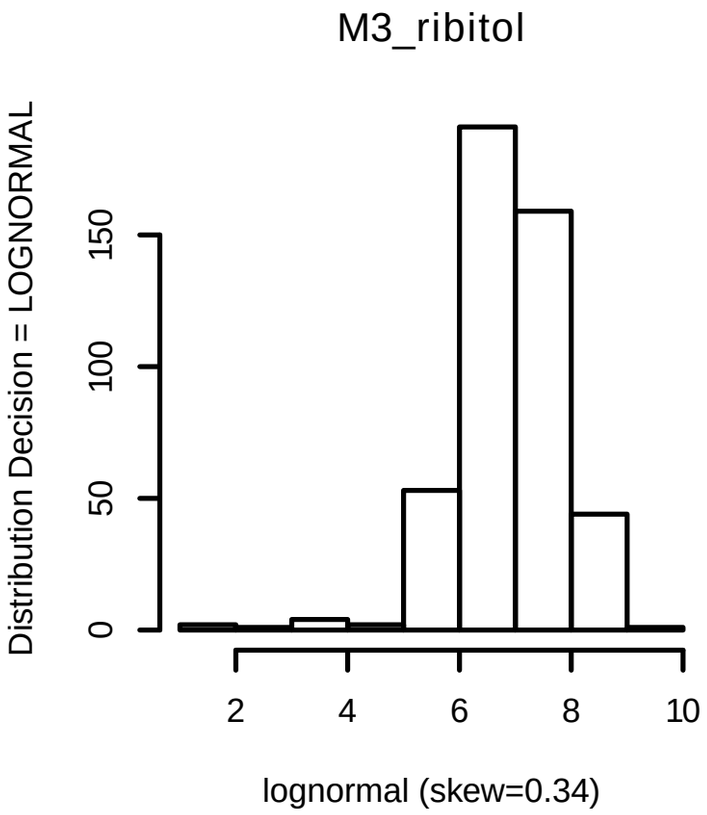

M3_gluconic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
500
1000
2000
normal (skew=0.029)

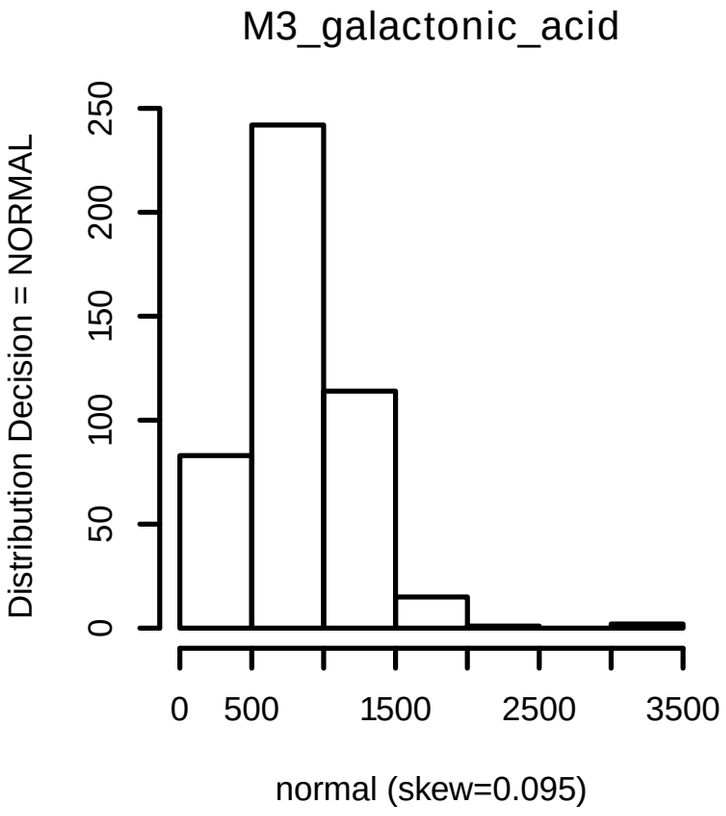

M3_gluconic_acid
Distribution Decision = NORMAL
0
50
100
150
200
1
2
3
4
5
6
7
8
lognormal (skew=0.1)

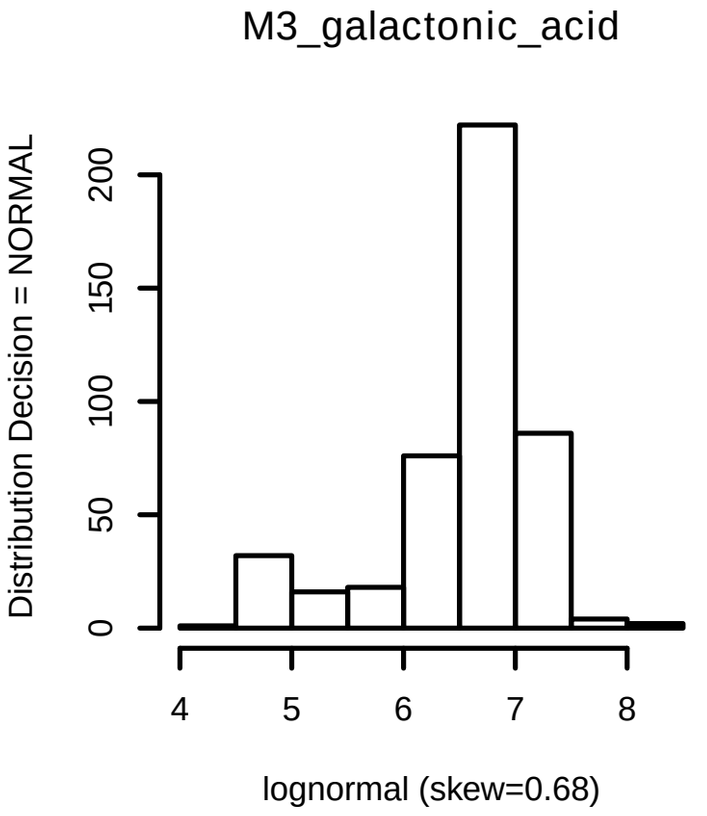

M3_shikimic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
4e+04
8e+04
normal (skew=1)

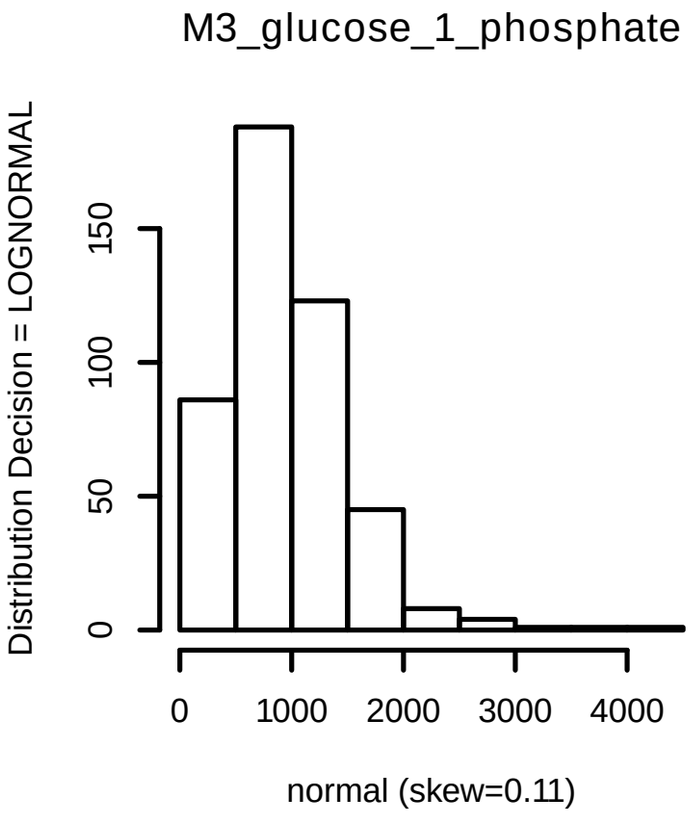

M3_shikimic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
10
11
12
lognormal (skew=0.085)

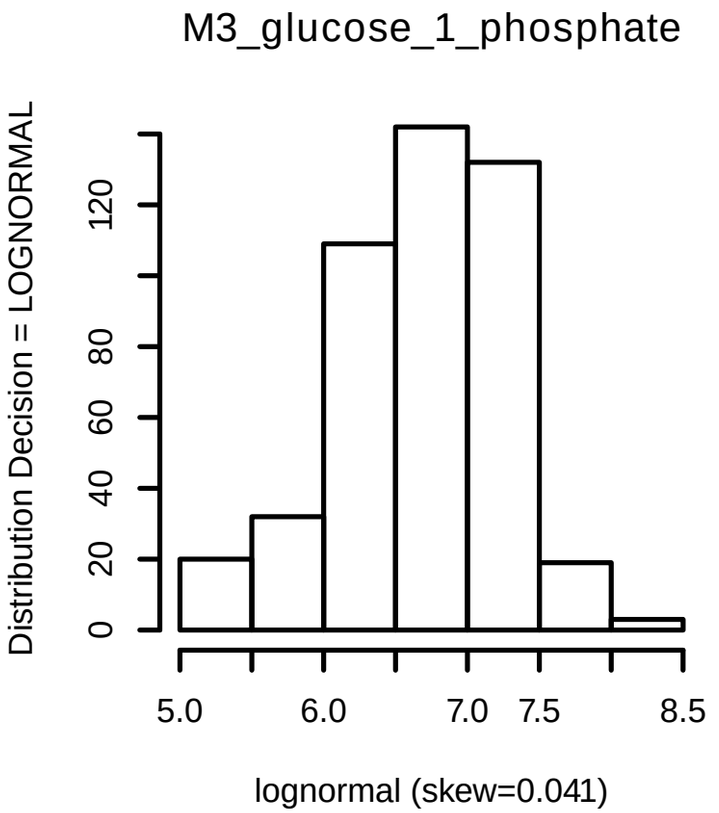

M3_ribitol
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2000
6000
10000
normal (skew=0.86)

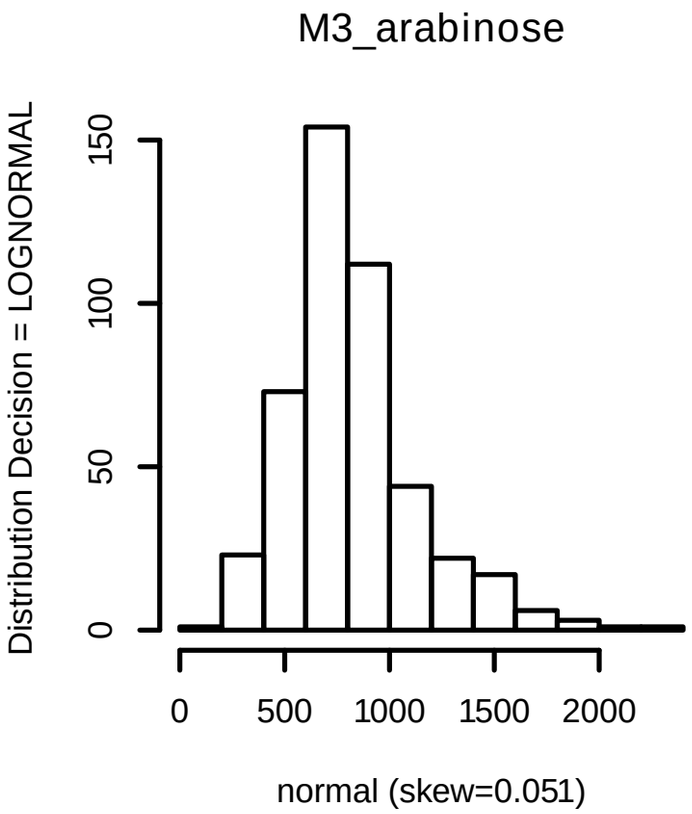

M3_ribitol
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.34)

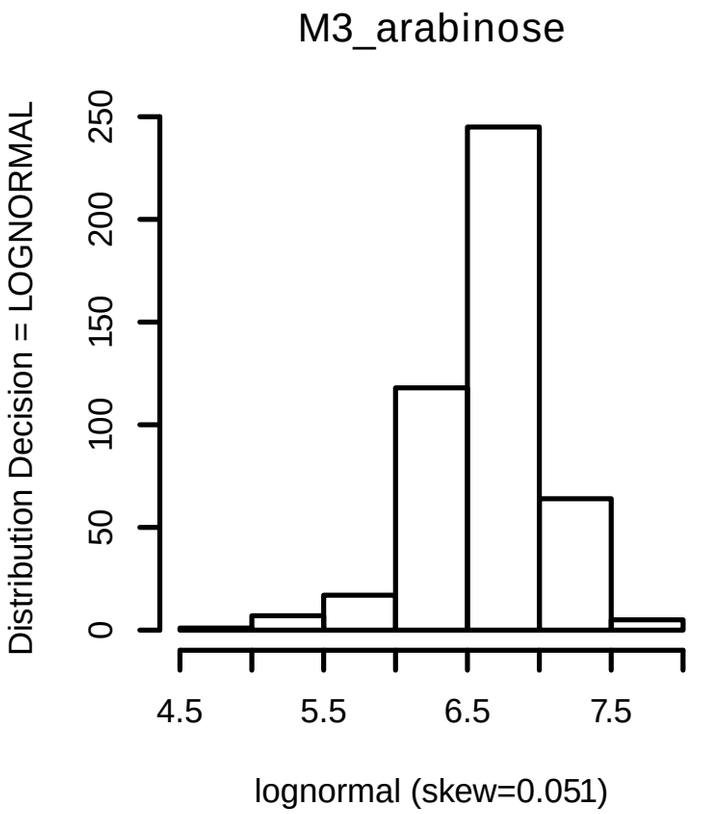

M3_galactonic_acid
Distribution Decision = NORMAL
0
50
100
150
200
250
0
500
1500
2500
3500
normal (skew=0.095)

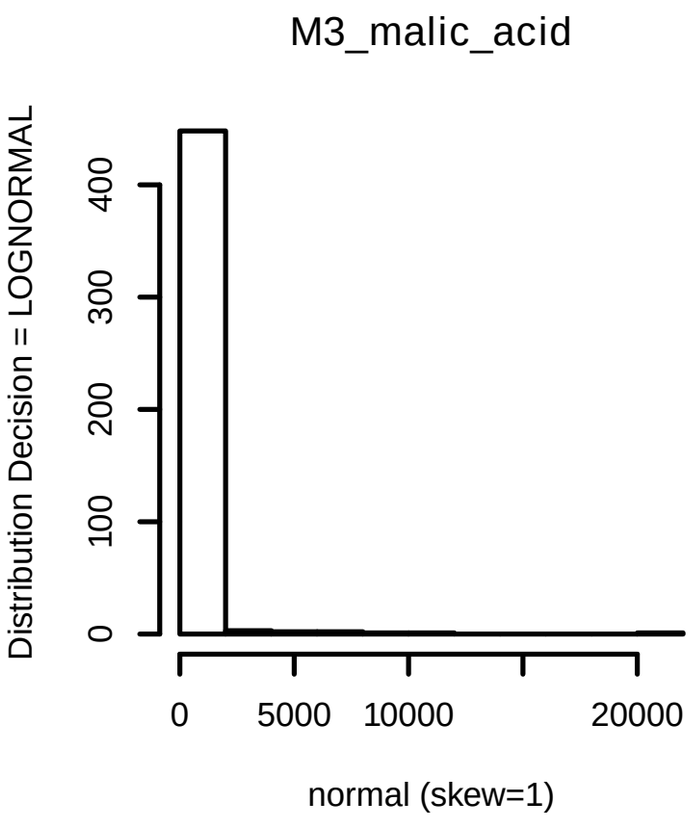

M3_galactonic_acid
Distribution Decision = NORMAL
0
50
100
150
200
4
5
6
7
8
lognormal (skew=0.68)

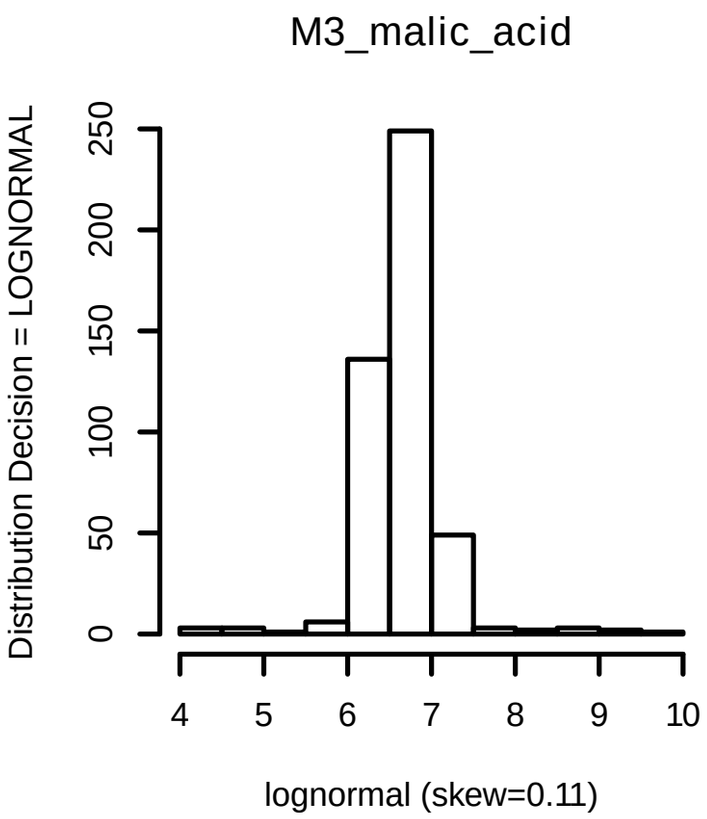

M3_glucose_1_phosphate
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.11)

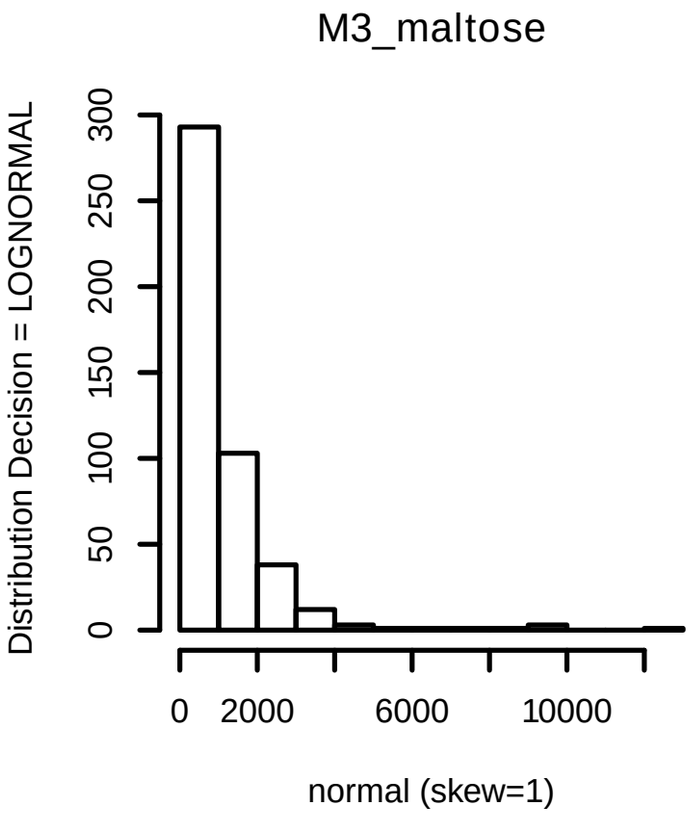

M3_glucose_1_phosphate
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
5.0
6.0
7.0
7.5
8.5
lognormal (skew=0.041)

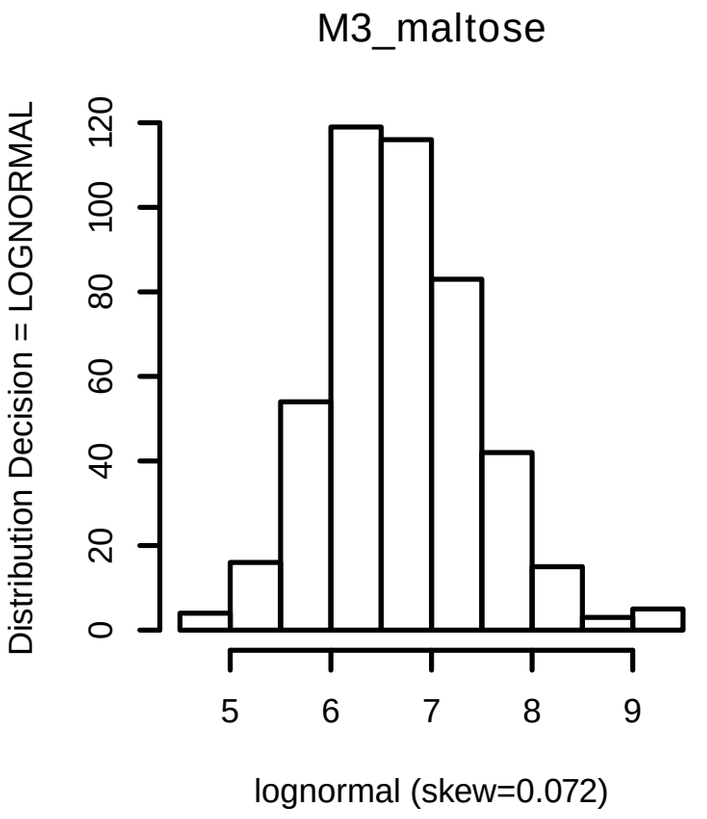

M3_arabinose
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.051)

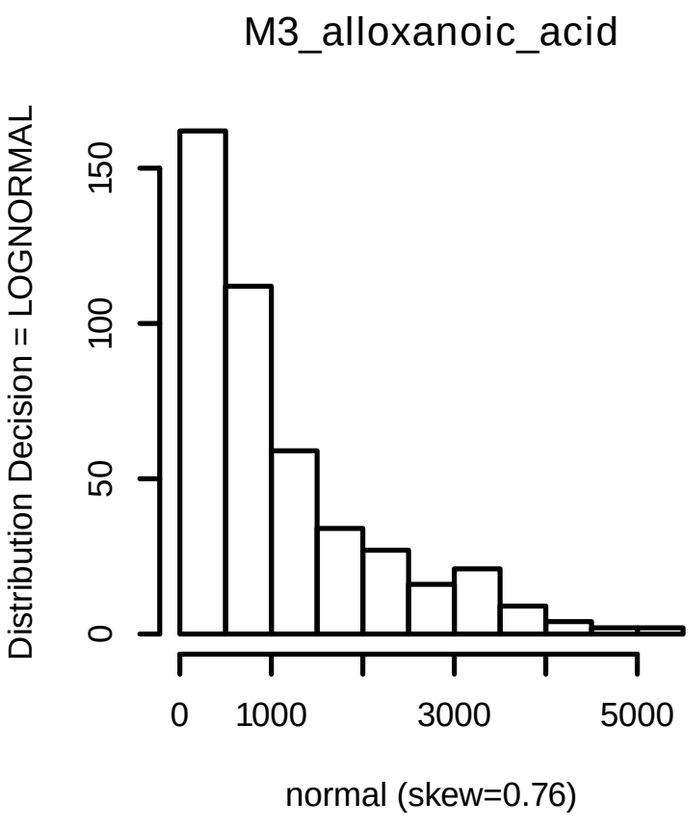

M3_arabinose
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
4.5
5.5
6.5
7.5
lognormal (skew=0.051)

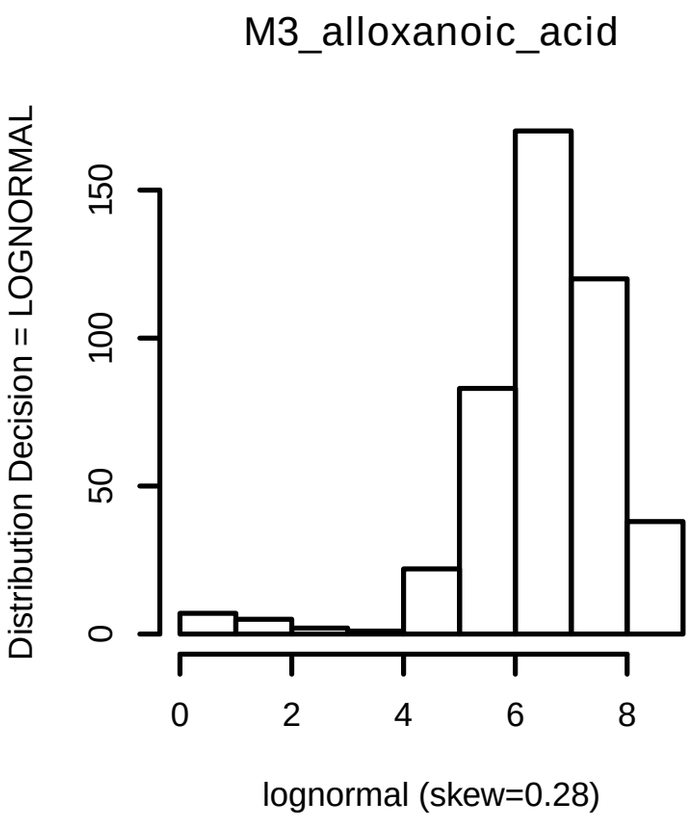

M3_malic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
20000
normal (skew=1)

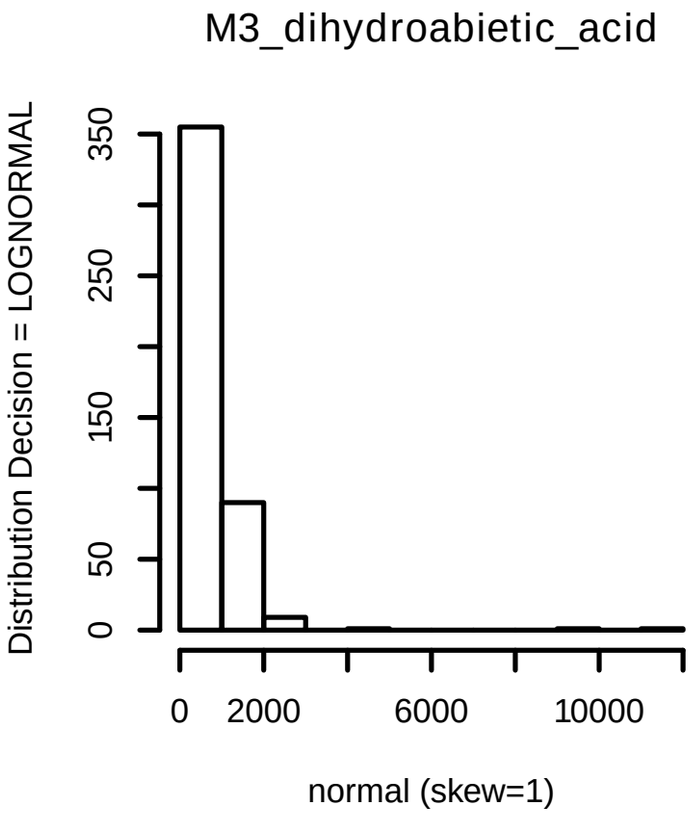

M3_malic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
4
5
6
7
8
9
10
lognormal (skew=0.11)

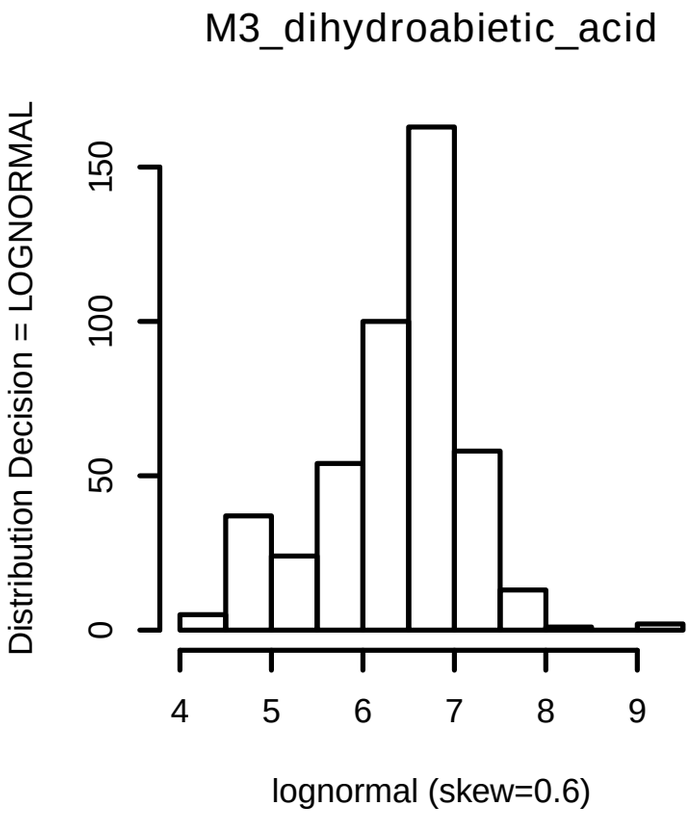

M3_maltose
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
2000
6000
10000
normal (skew=1)

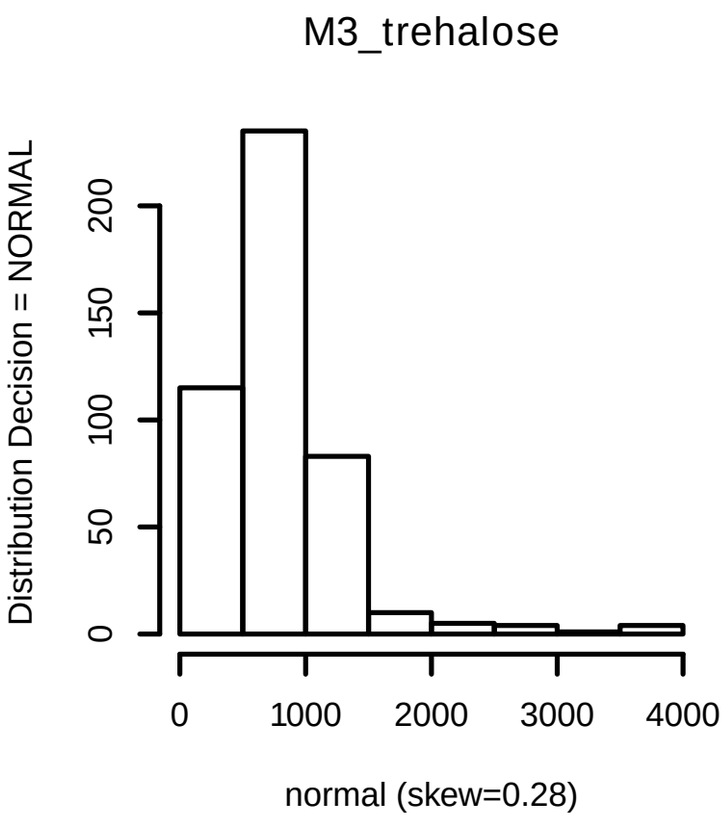

M3_maltose
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
5
6
7
8
9
lognormal (skew=0.072)

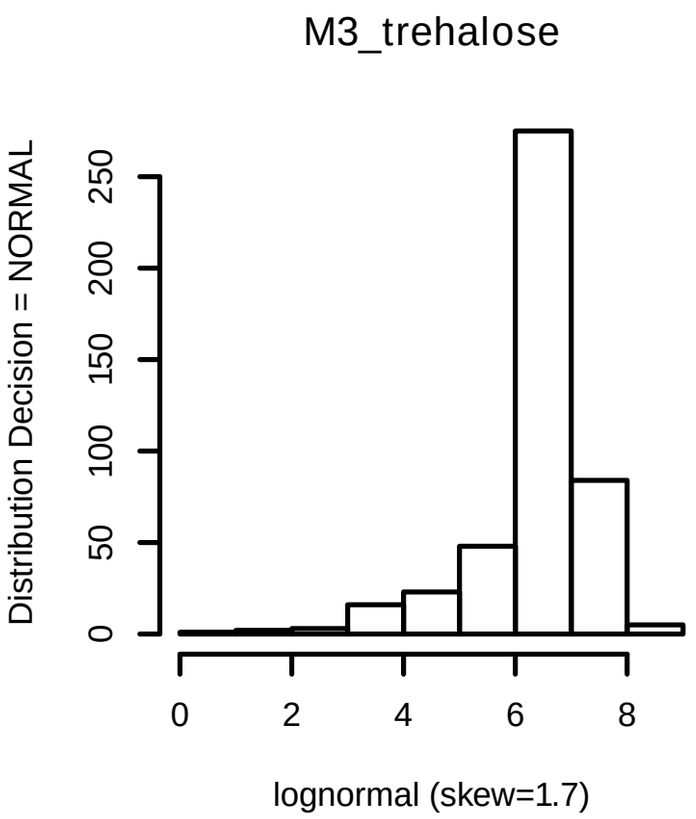

M3_alloxanoic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
3000
5000
normal (skew=0.76)

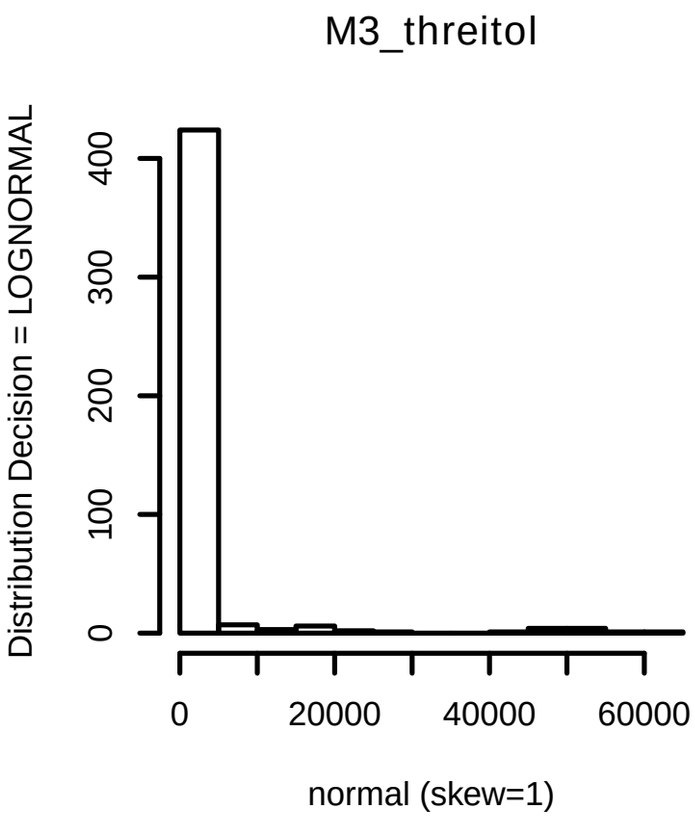

M3_alloxanoic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.28)

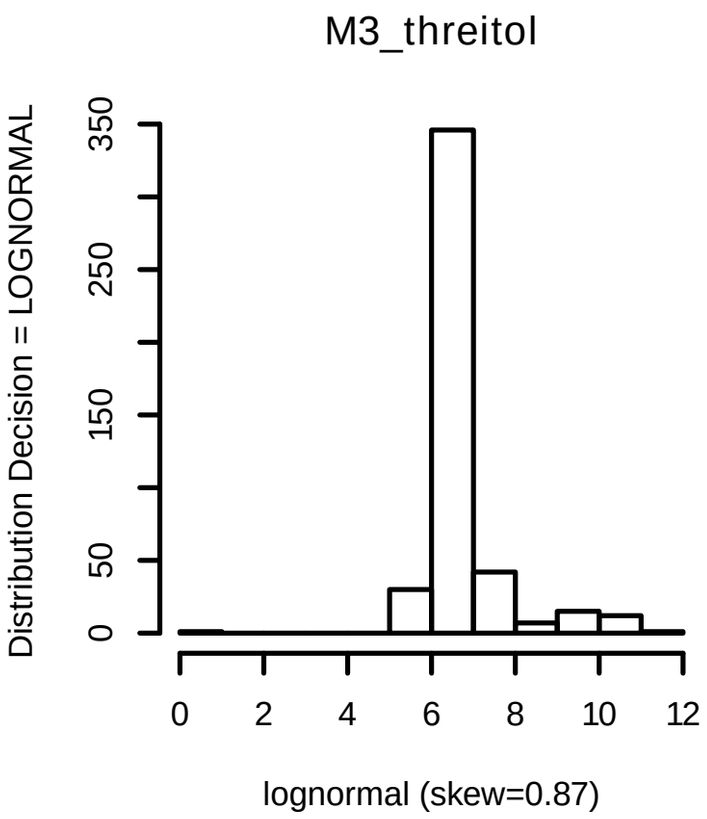

M3_dihydroabietic_acid
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
2000
6000
10000
normal (skew=1)

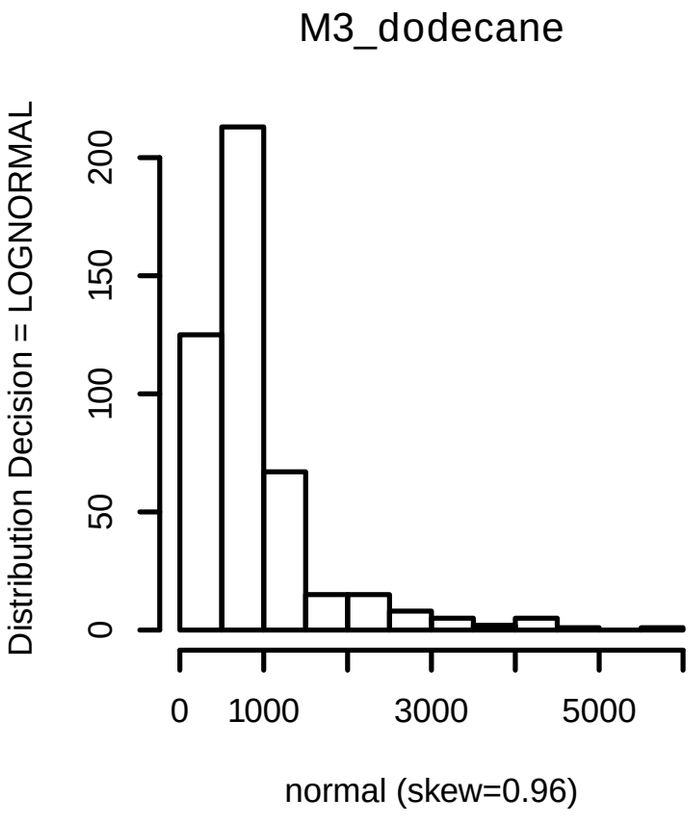

M3_dihydroabietic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
lognormal (skew=0.6)

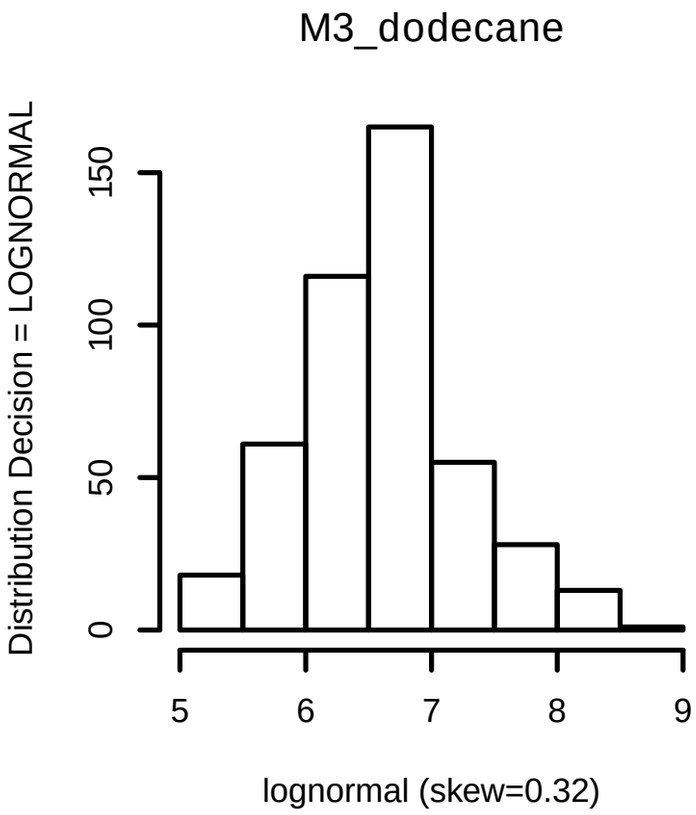

M3_trehalose
Distribution Decision = NORMAL
0
50
100
150
200
0
1000
2000
3000
4000
normal (skew=0.28)

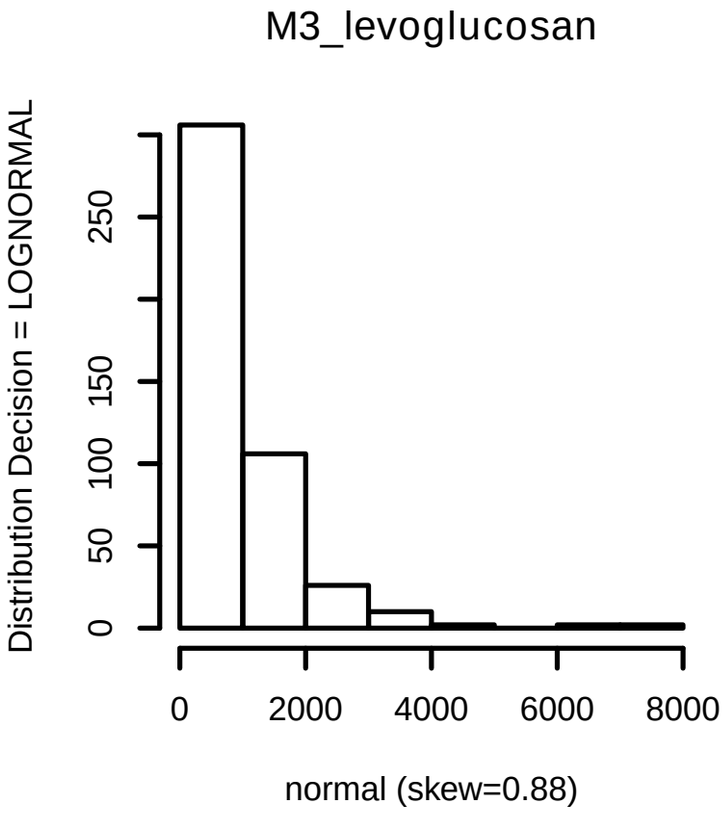

M3_trehalose
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=1.7)

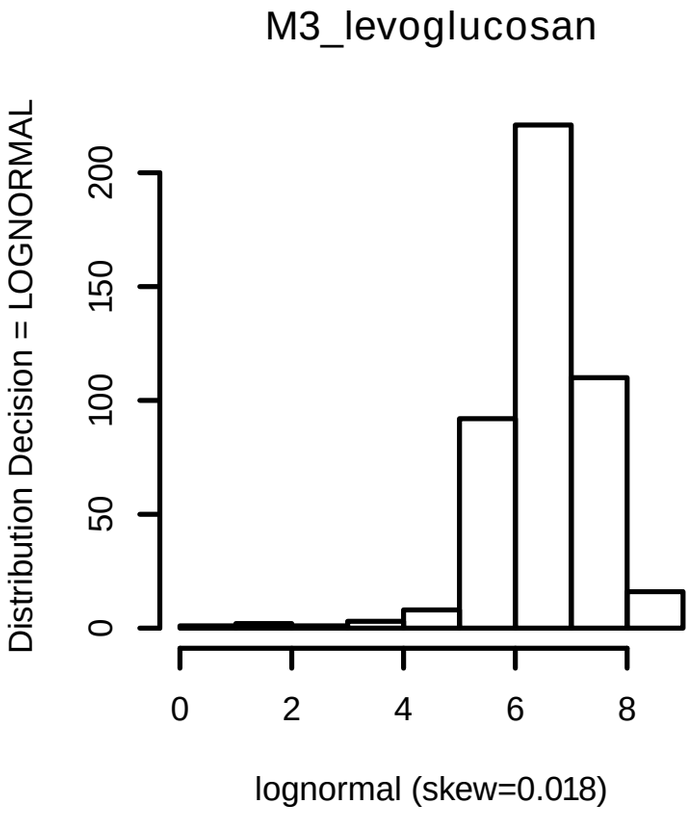

M3_threitol
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
40000
60000
normal (skew=1)

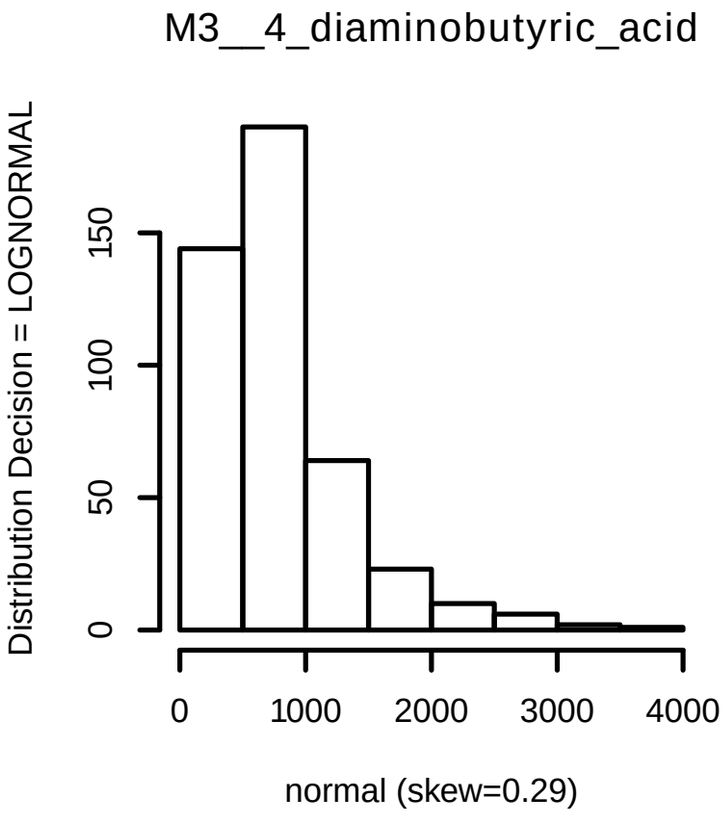

M3_threitol
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
2
4
6
8
10
12
lognormal (skew=0.87)

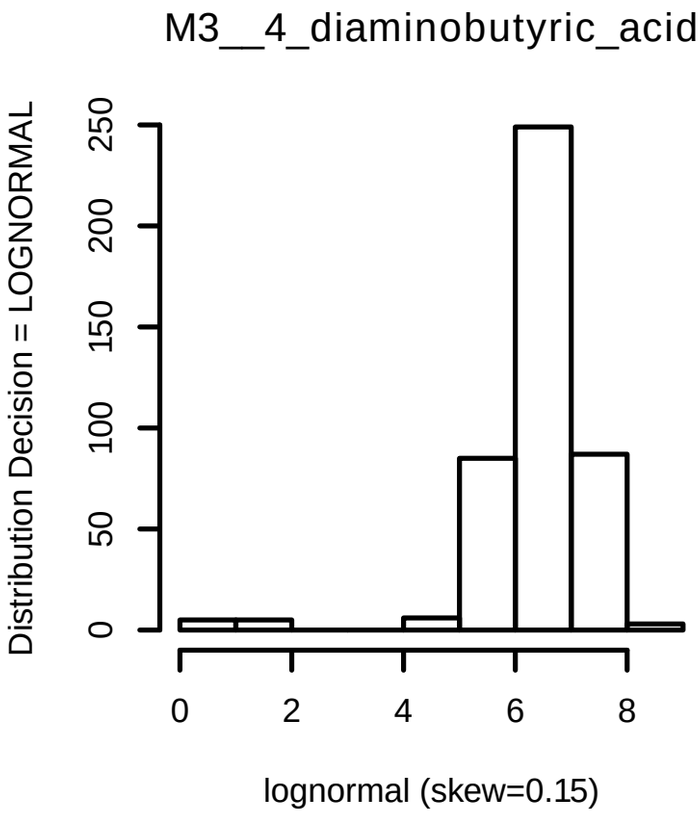

M3_dodecane
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
3000
5000
normal (skew=0.96)

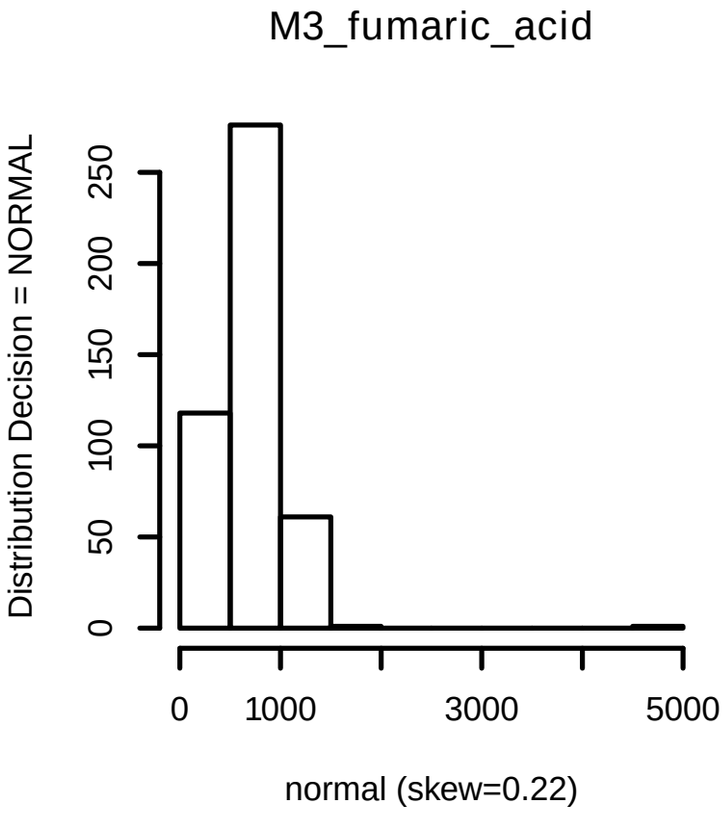

M3_dodecane
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
lognormal (skew=0.32)

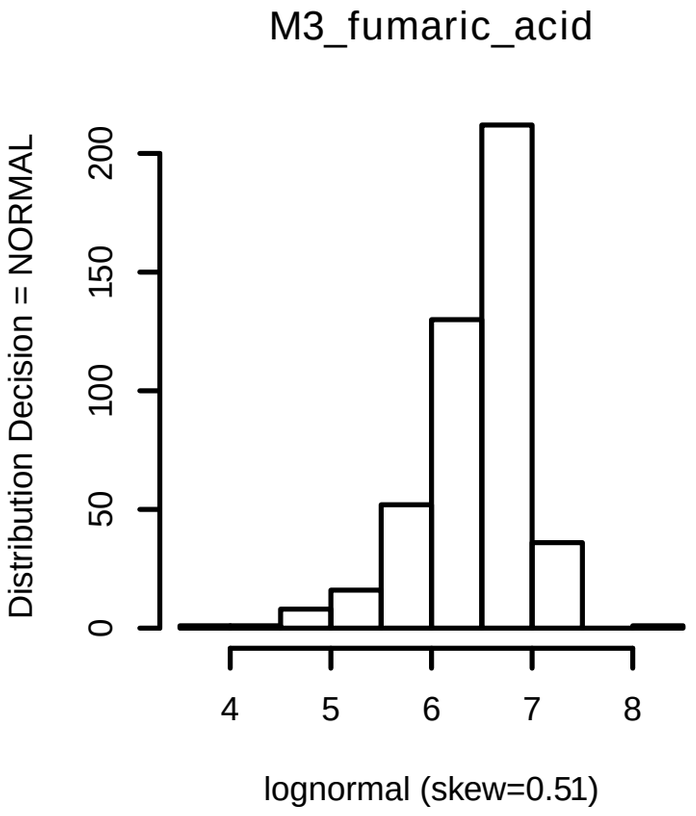

M3_levoglucosan
Distribution Decision = LOGNORMAL
0
50
100
150
250
0
2000
4000
6000
8000
normal (skew=0.88)

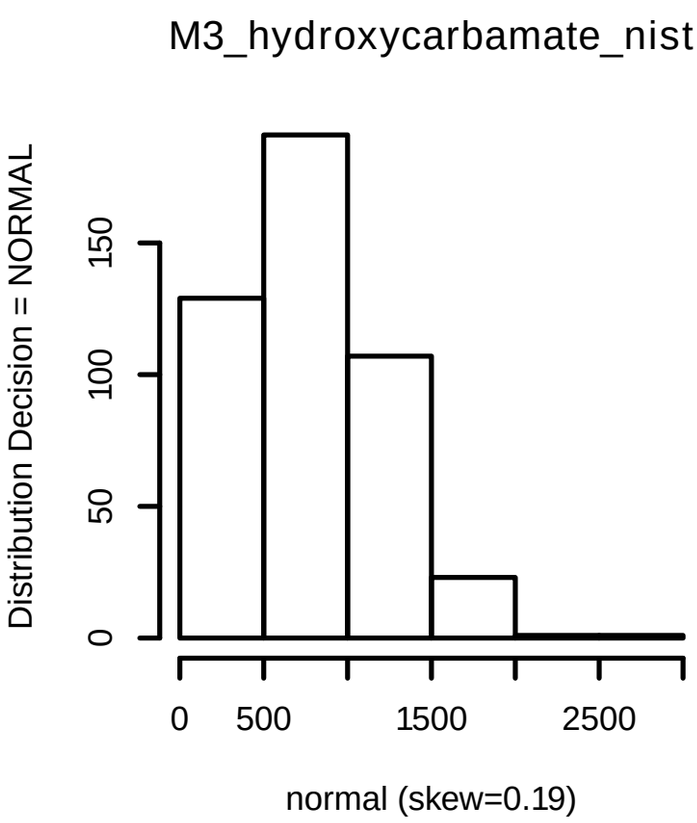

M3_levoglucosan
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.018)

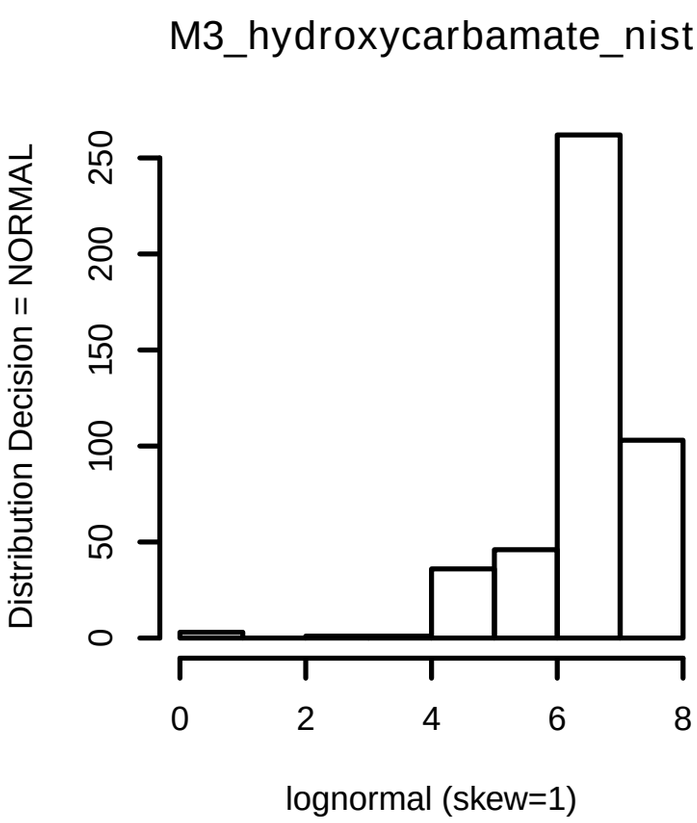

M3__4_diaminobutyric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.29)

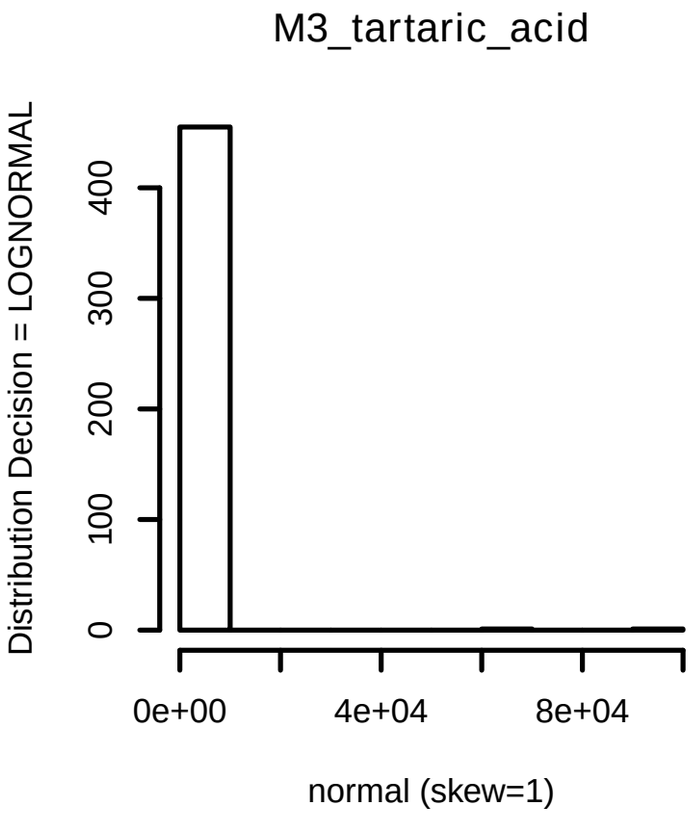

M3__4_diaminobutyric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.15)

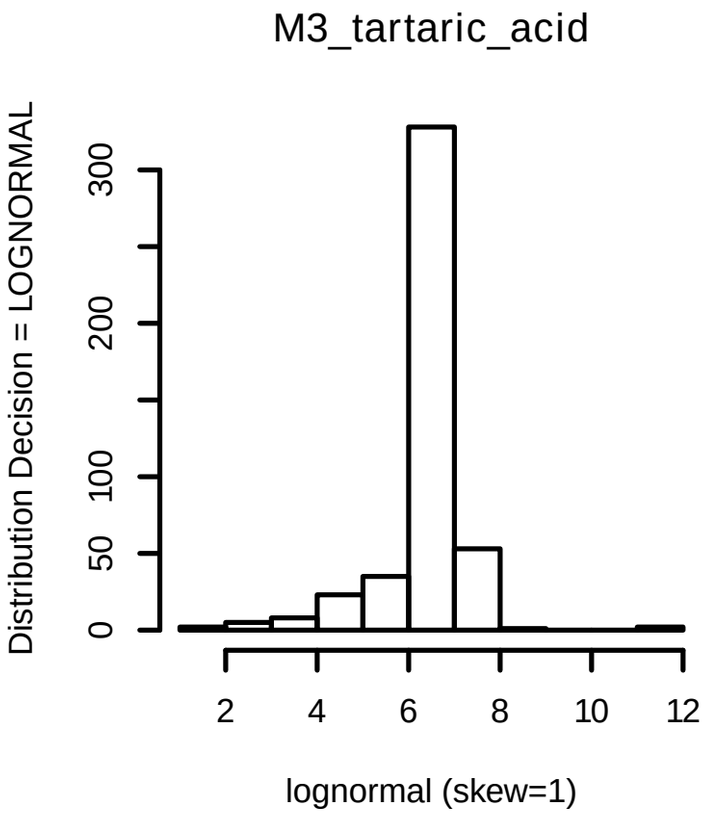

M3_fumaric_acid
Distribution Decision = NORMAL
0
50
100
150
200
250
0
1000
3000
5000
normal (skew=0.22)

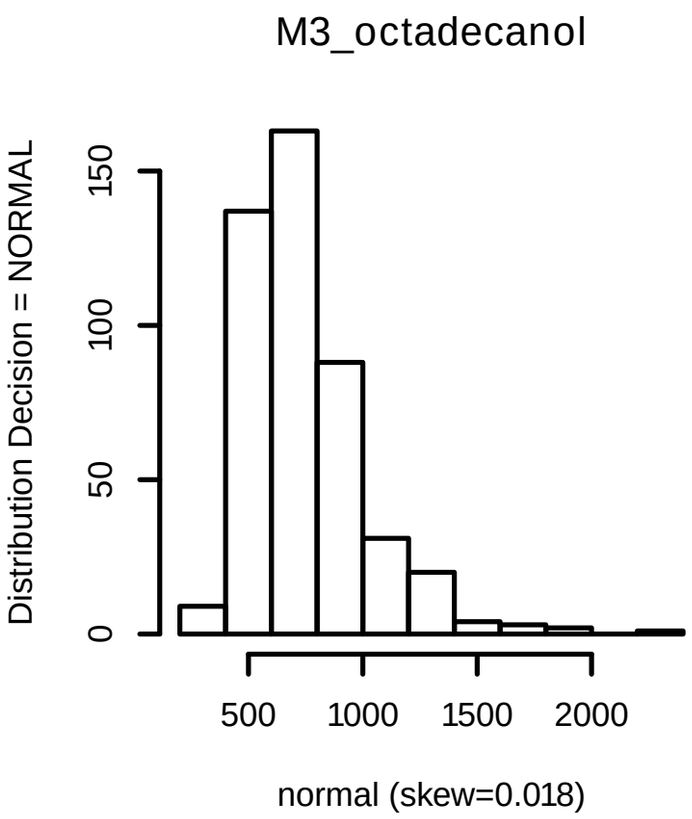

M3_fumaric_acid
Distribution Decision = NORMAL
0
50
100
150
200
4
5
6
7
8
lognormal (skew=0.51)

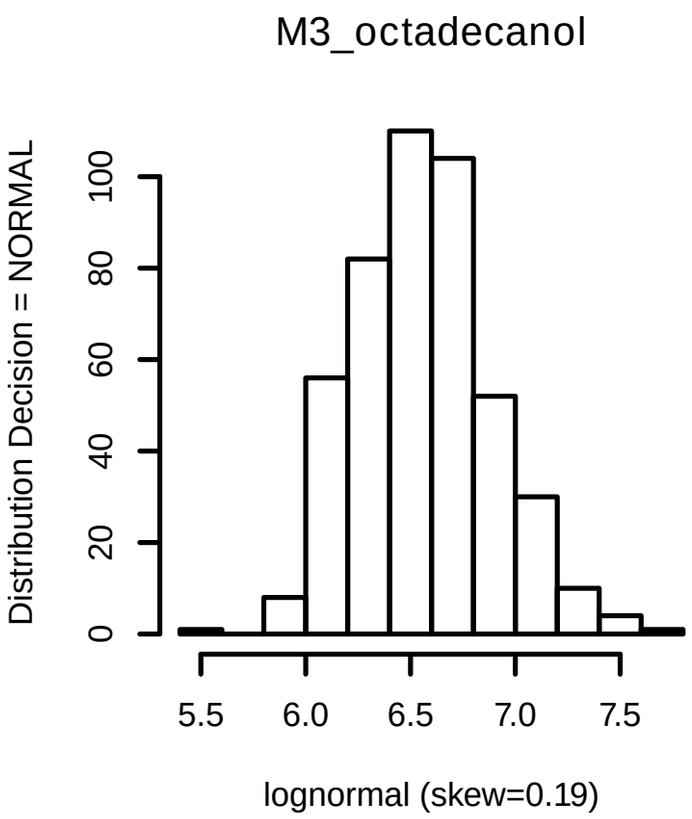

M3_hydroxycarbamate_nist
Distribution Decision = NORMAL
0
50
100
150
0
500
1500
2500
normal (skew=0.19)

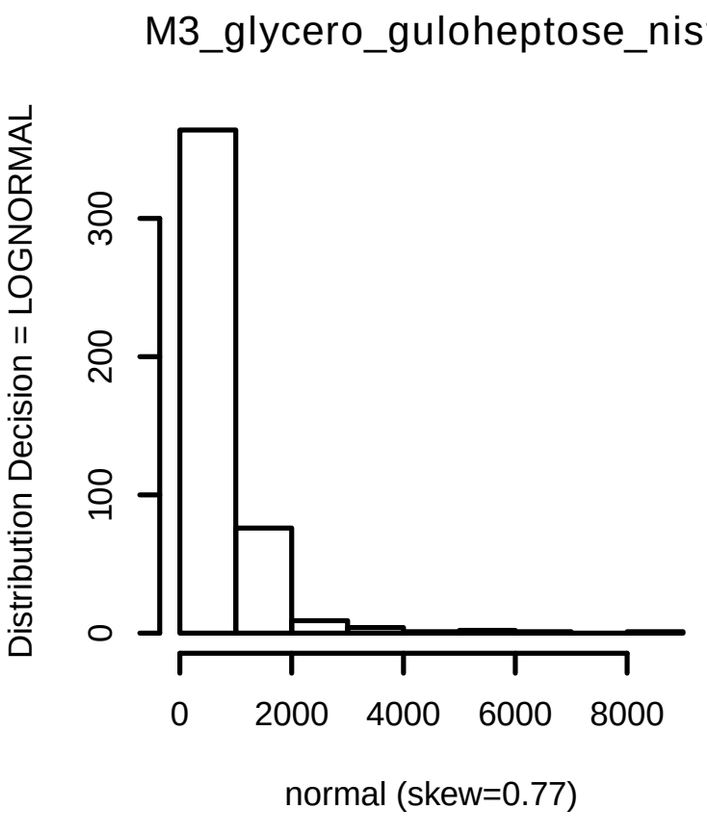

M3_hydroxycarbamate_nist
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=1)

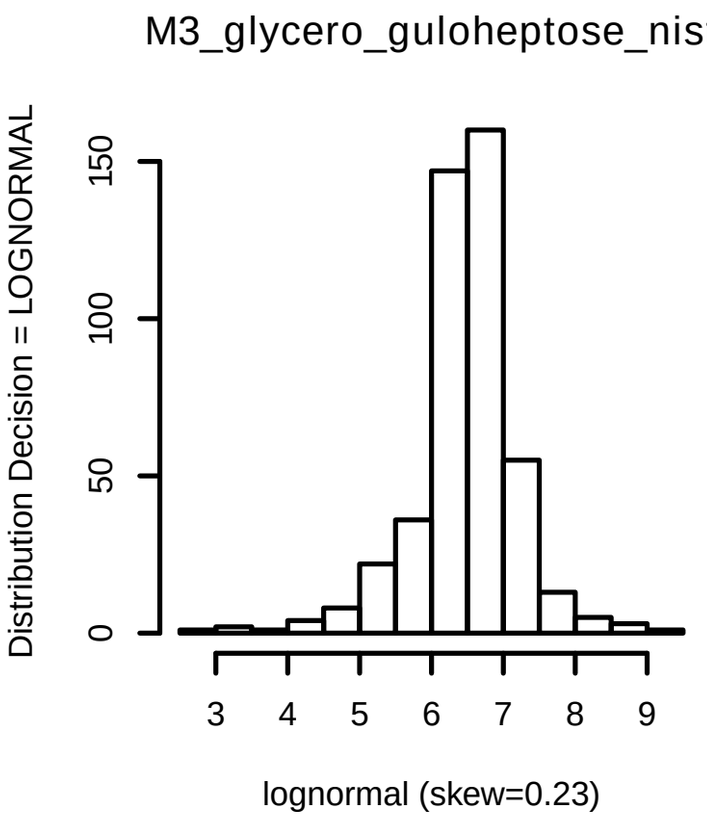

M3_tartaric_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
4e+04
8e+04
normal (skew=1)

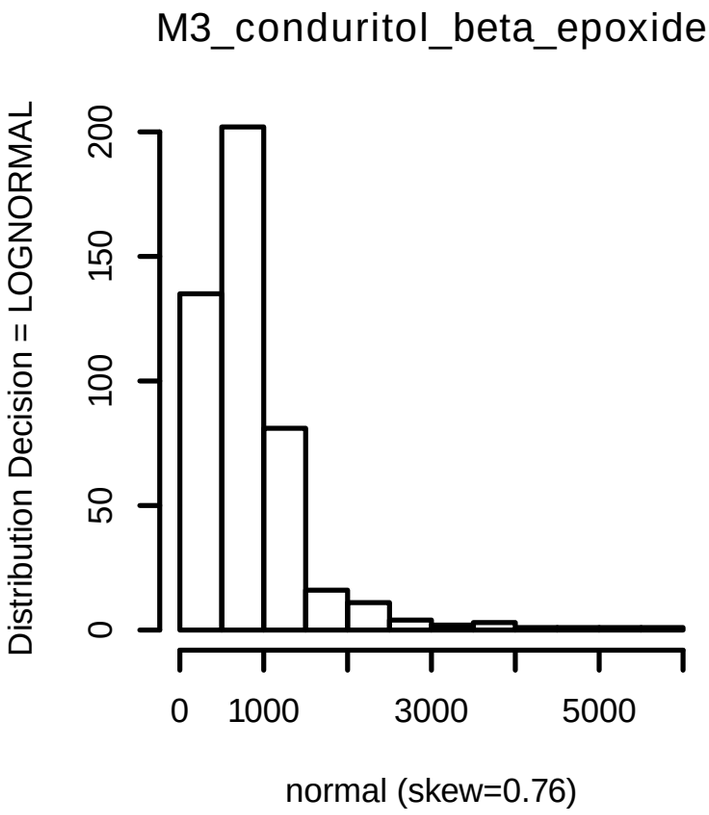

M3_tartaric_acid
Distribution Decision = LOGNORMAL
0
50
100
200
300
2
4
6
8
10
12
lognormal (skew=1)

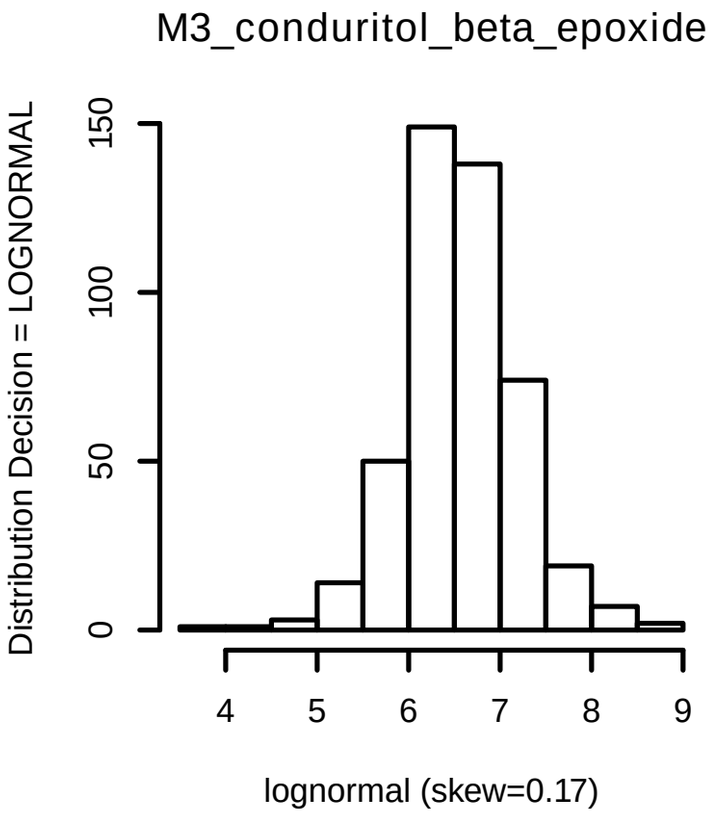

M3_octadecanol
Distribution Decision = NORMAL
0
50
100
150
500
1000
1500
2000
normal (skew=0.018)

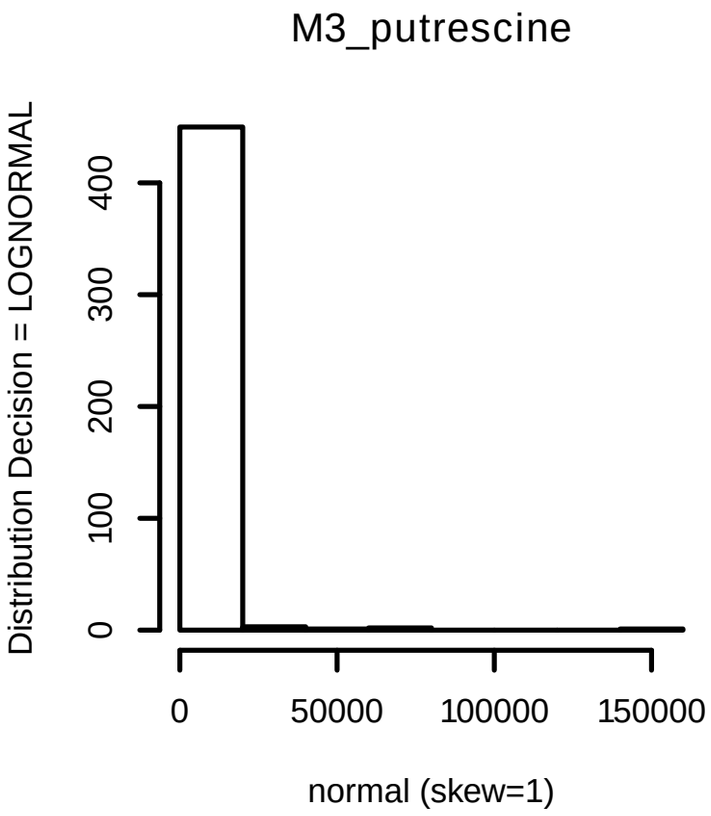

M3_octadecanol
Distribution Decision = NORMAL
0
20
40
60
80
100
5.5
6.0
6.5
7.0
7.5
lognormal (skew=0.19)

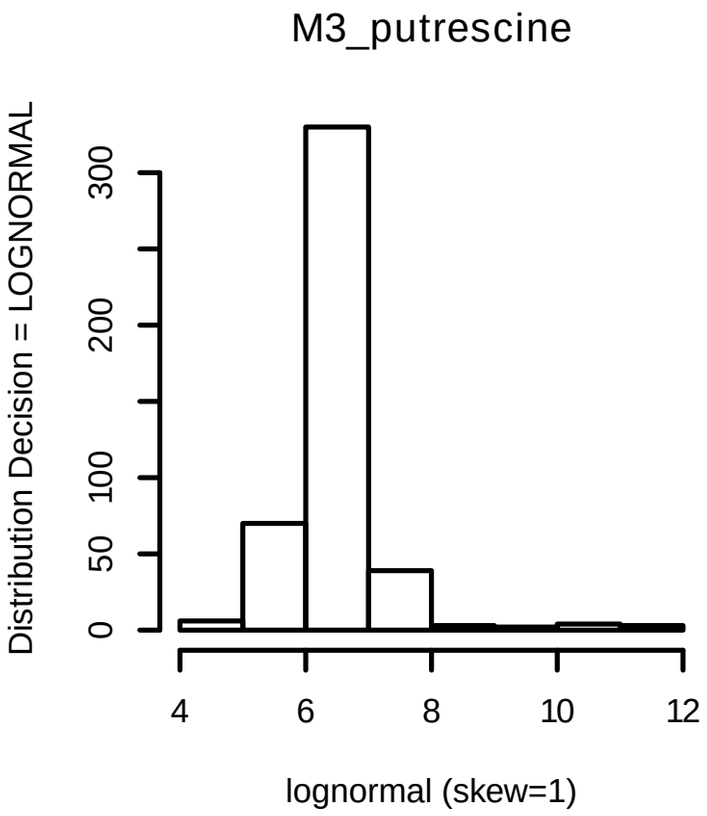

M3_glycero_guloheptose_nist
Distribution Decision = LOGNORMAL
0
100
200
300
0
2000
4000
6000
8000
normal (skew=0.77)

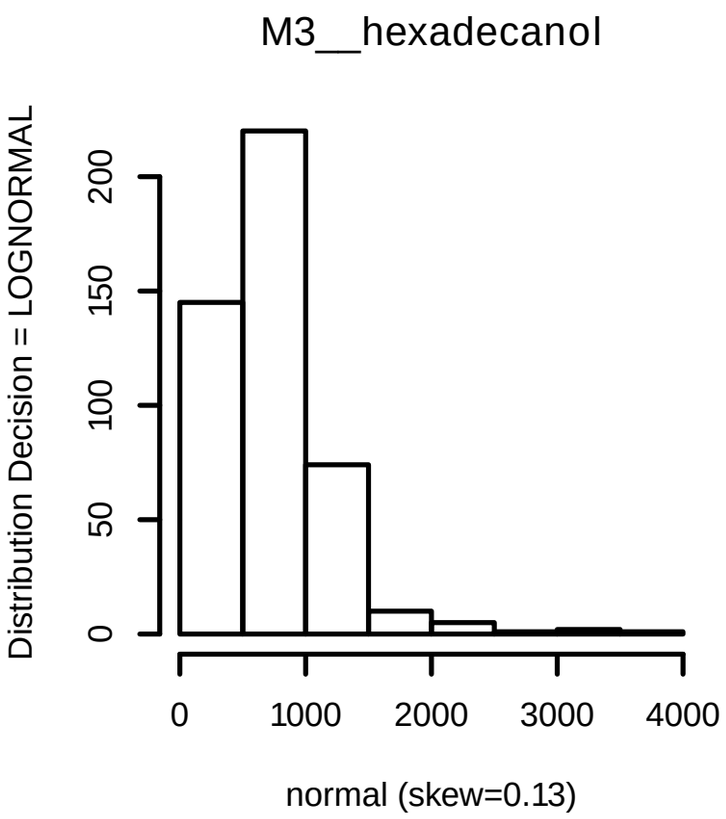

M3_glycero_guloheptose_nist
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
9
lognormal (skew=0.23)

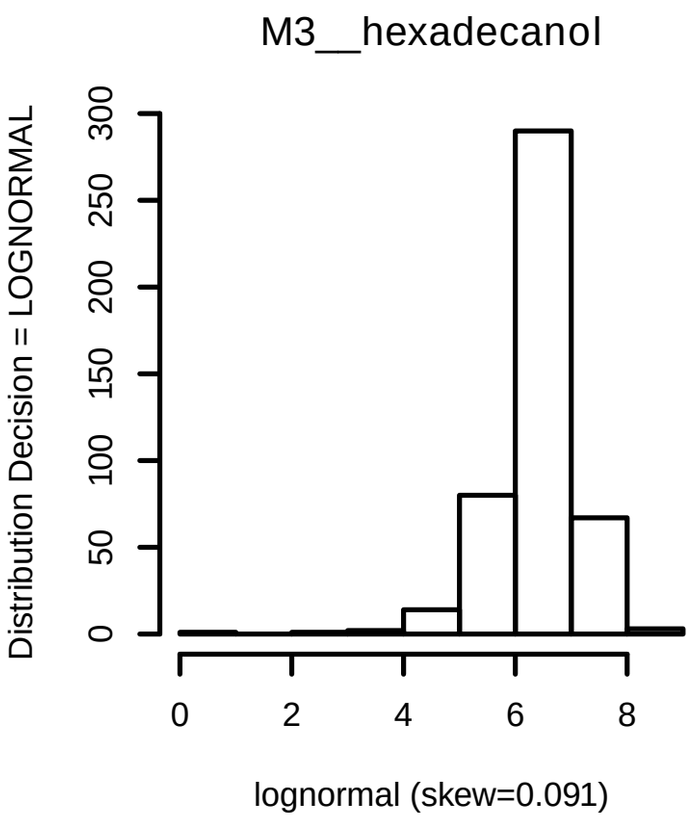

M3_conduritol_beta_epoxide
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
3000
5000
normal (skew=0.76)

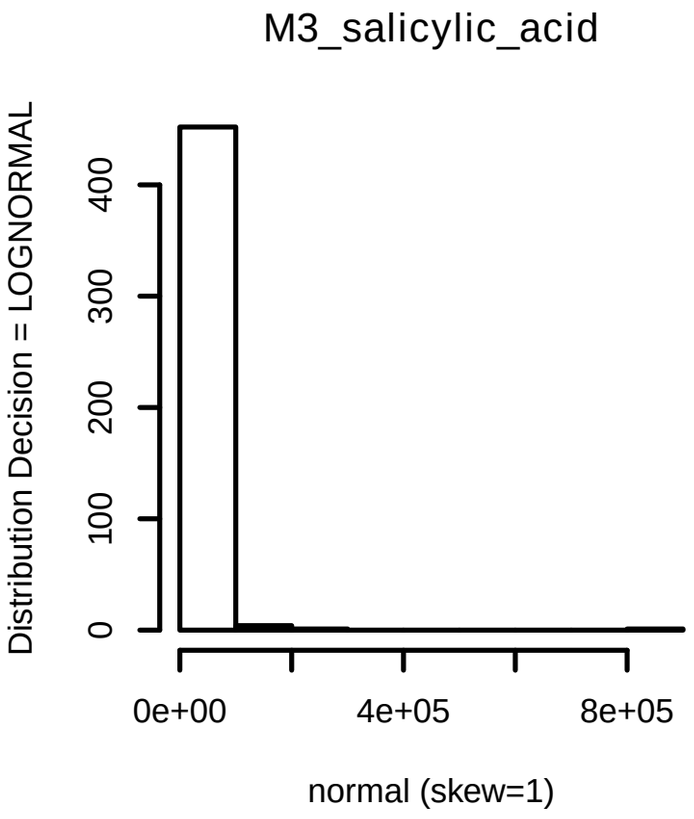

M3_conduritol_beta_epoxide
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
lognormal (skew=0.17)

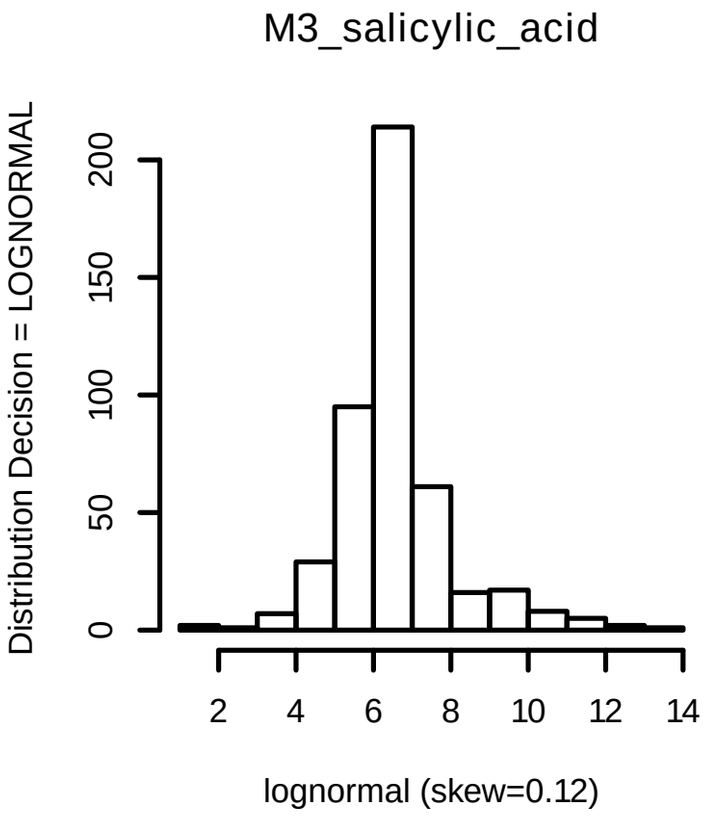

M3_putrescine
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
50000
100000
150000
normal (skew=1)

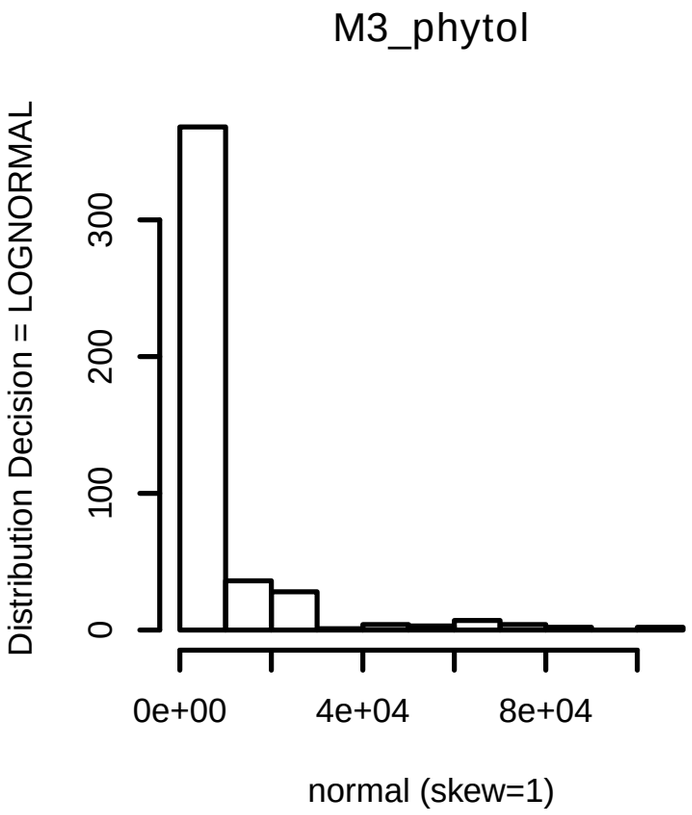

M3_putrescine
Distribution Decision = LOGNORMAL
0
50
100
200
300
4
6
8
10
12
lognormal (skew=1)

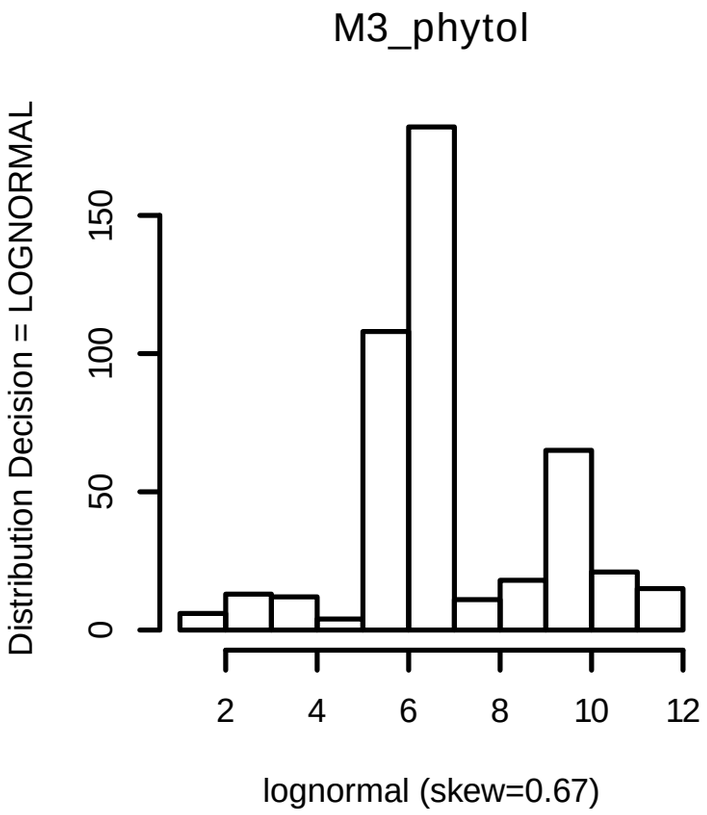

M3__hexadecanol
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
2000
3000
4000
normal (skew=0.13)

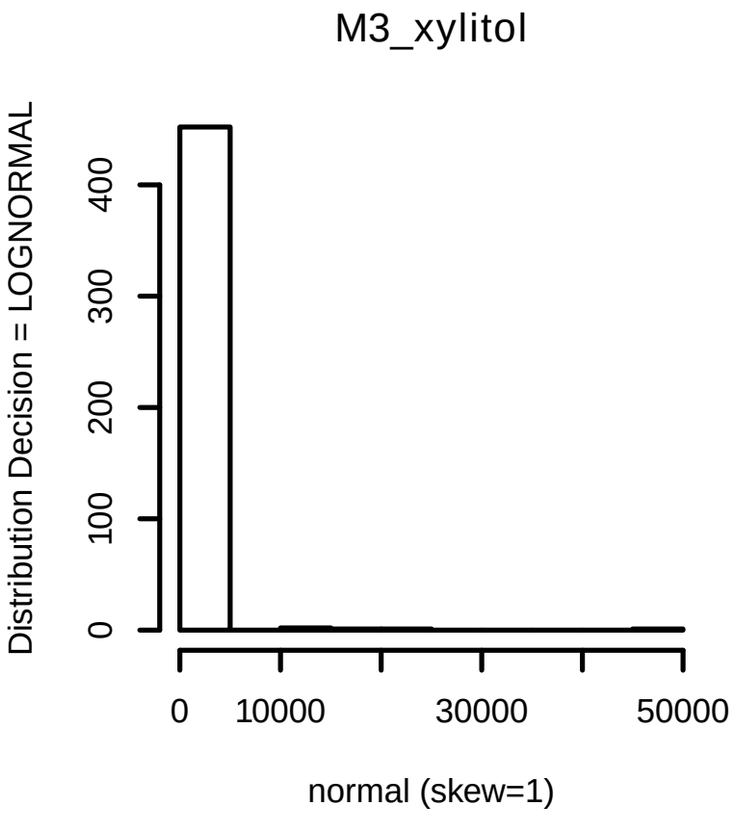

M3__hexadecanol
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
2
4
6
8
lognormal (skew=0.091)

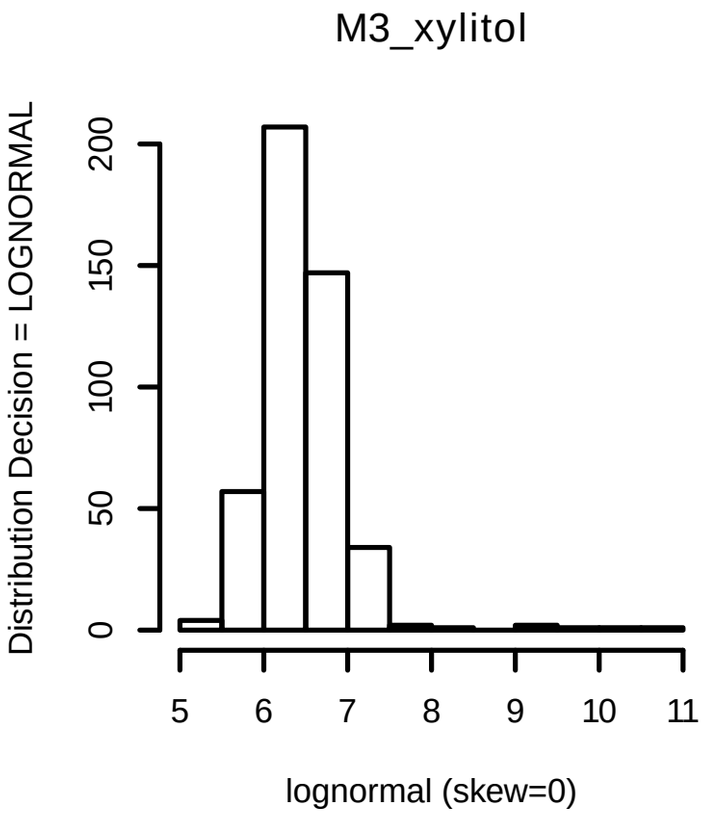

M3_salicylic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
4e+05
8e+05
normal (skew=1)

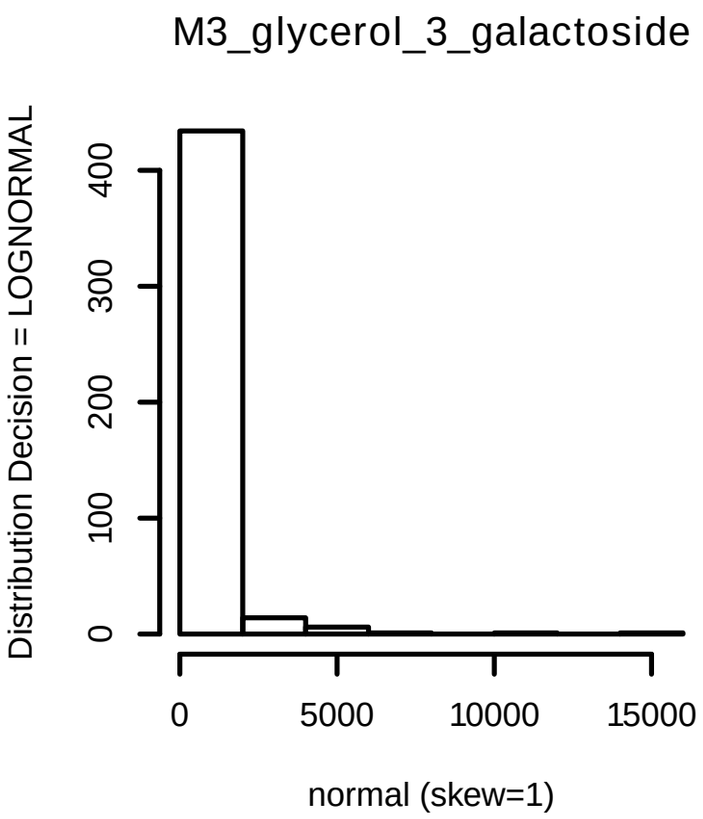

M3_salicylic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
12
14
lognormal (skew=0.12)

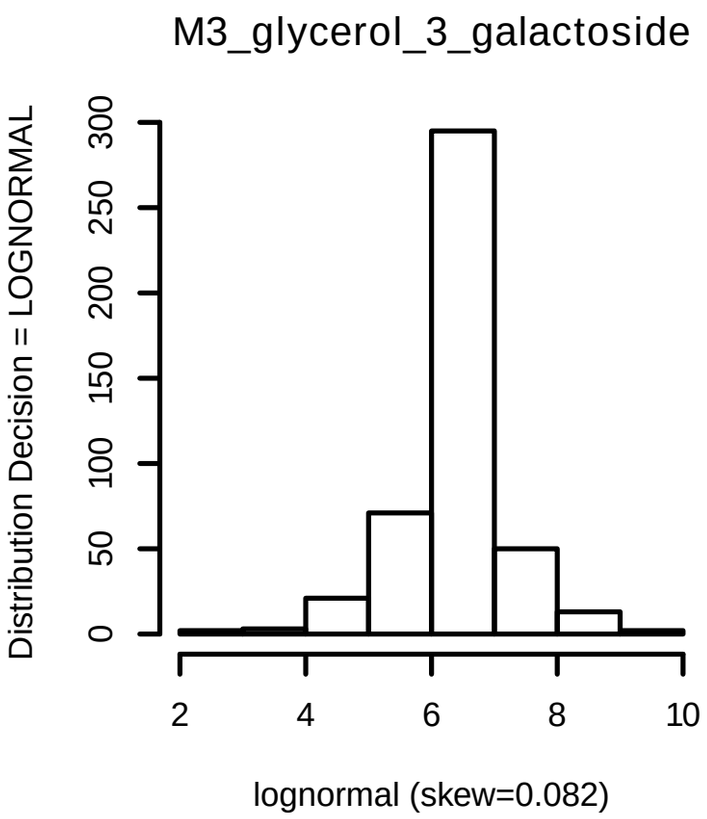

M3_phytol
Distribution Decision = LOGNORMAL
0
100
200
300
0e+00
4e+04
8e+04
normal (skew=1)

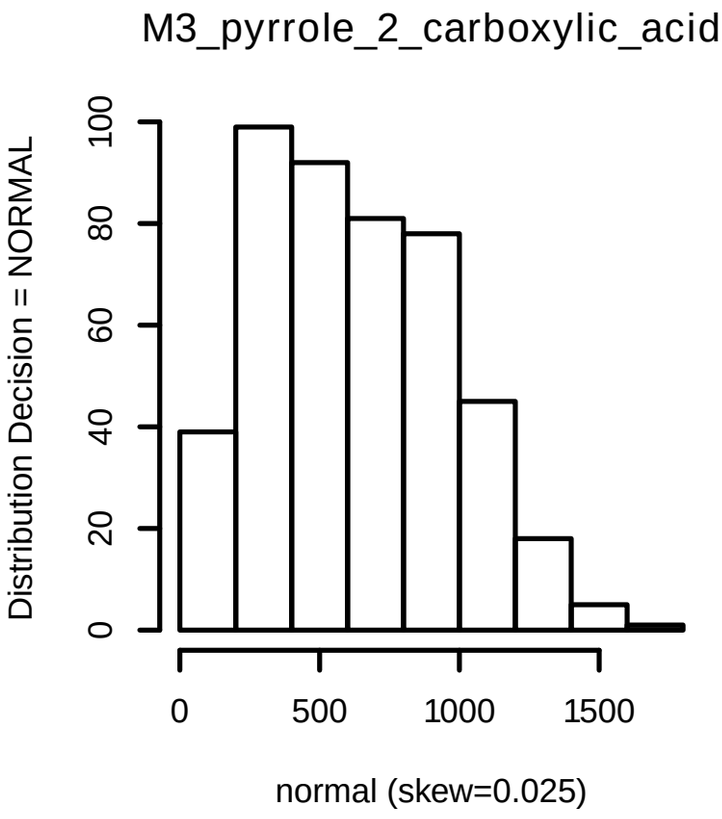

M3_phytol
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
12
lognormal (skew=0.67)

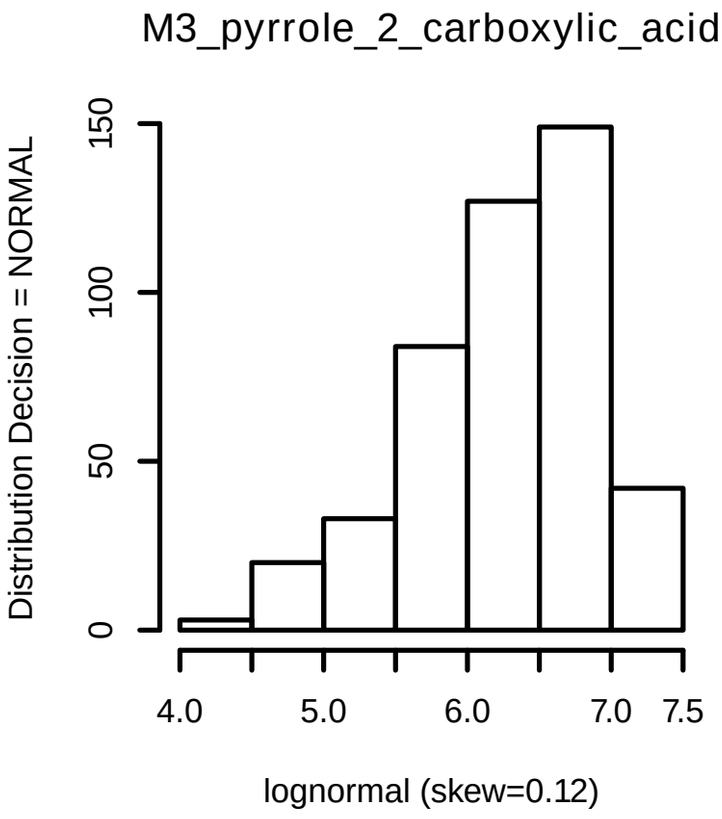

M3_xylitol
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
30000
50000
normal (skew=1)

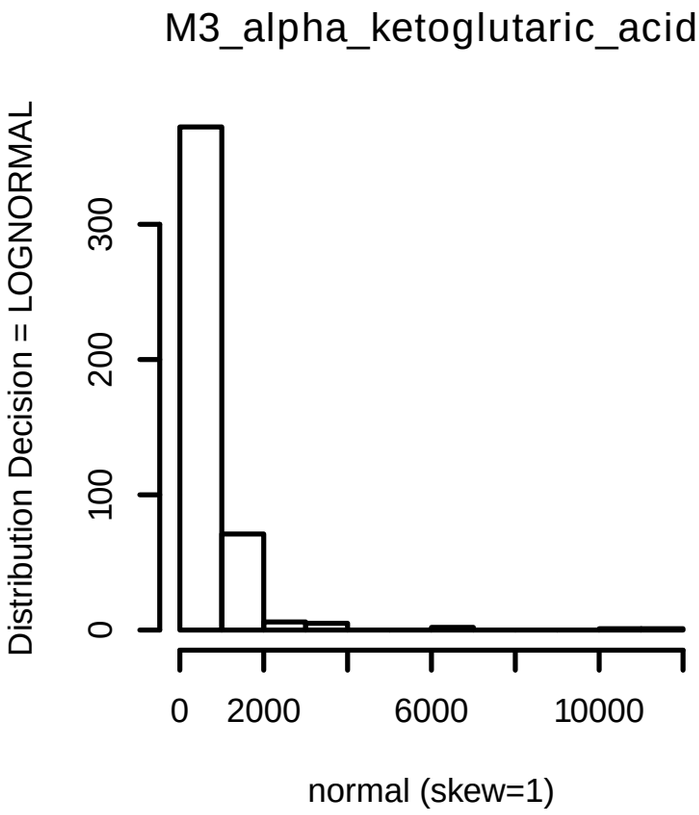

M3_xylitol
Distribution Decision = LOGNORMAL
0
50
100
150
200
5
6
7
8
9
10
11
lognormal (skew=0)

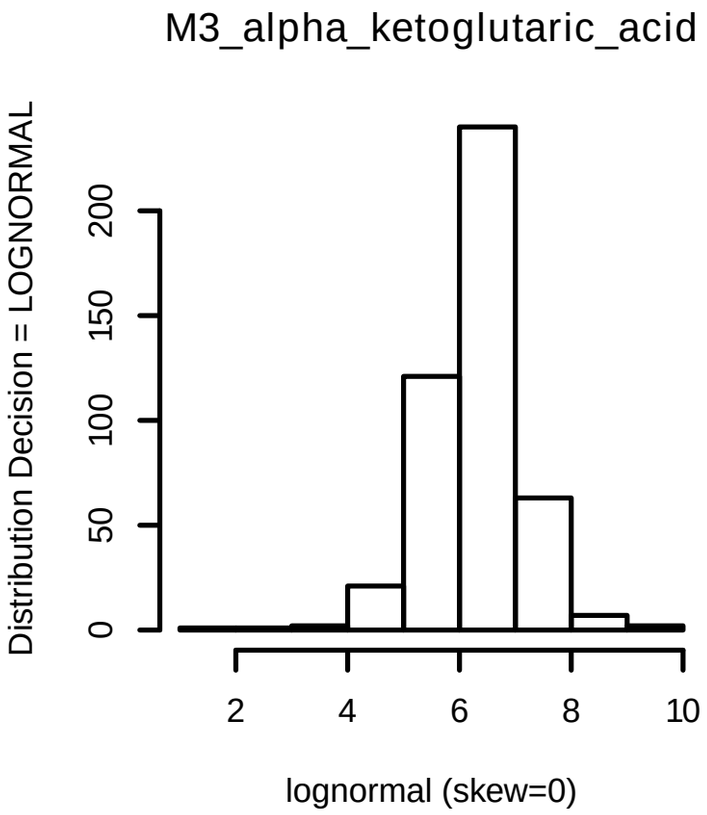

M3_glycerol_3_galactoside
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
normal (skew=1)

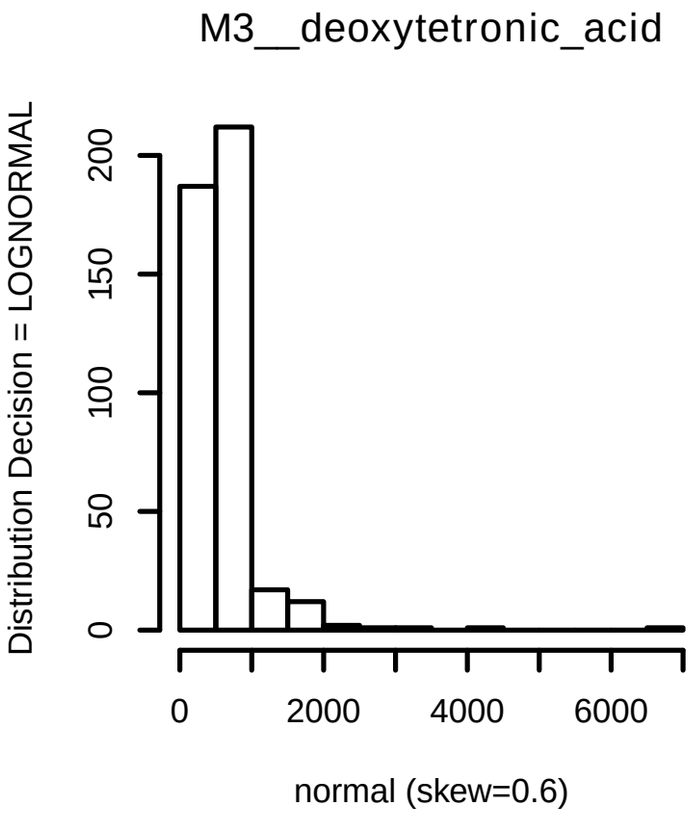

M3_glycerol_3_galactoside
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
2
4
6
8
10
lognormal (skew=0.082)

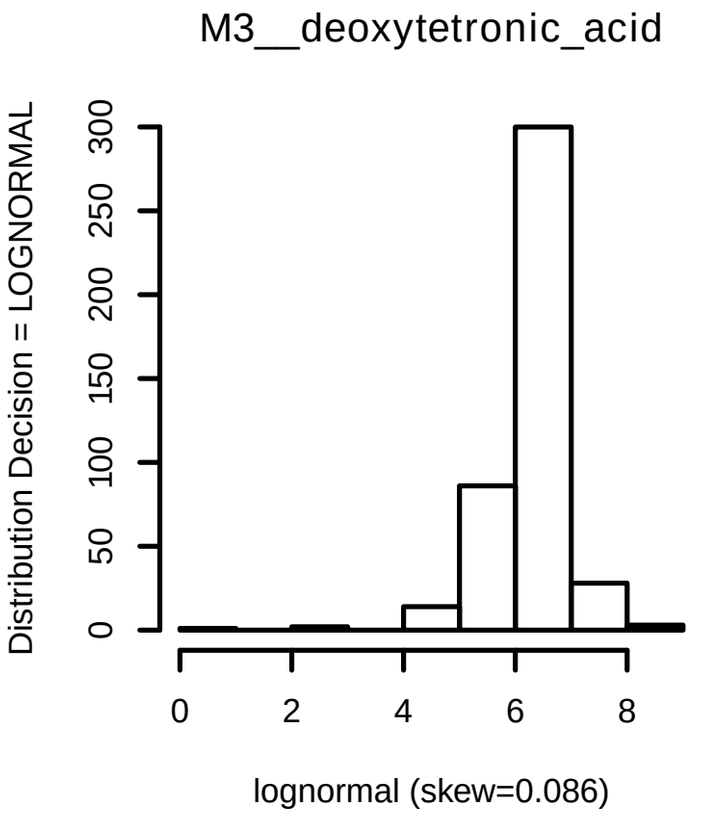

M3_pyrrole_2_carboxylic_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
normal (skew=0.025)

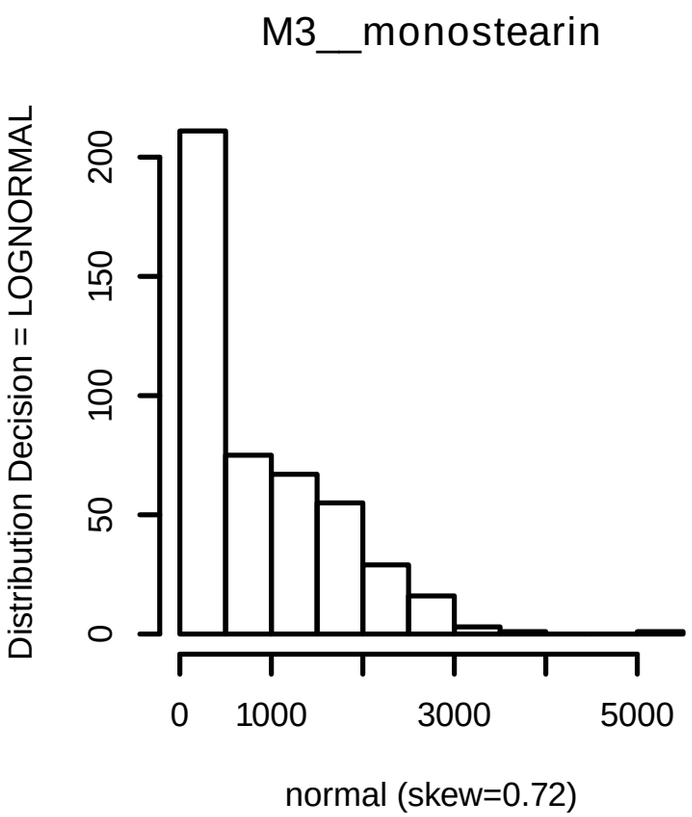

M3_pyrrole_2_carboxylic_acid
Distribution Decision = NORMAL
0
50
100
150
4.0
5.0
6.0
7.0
7.5
lognormal (skew=0.12)

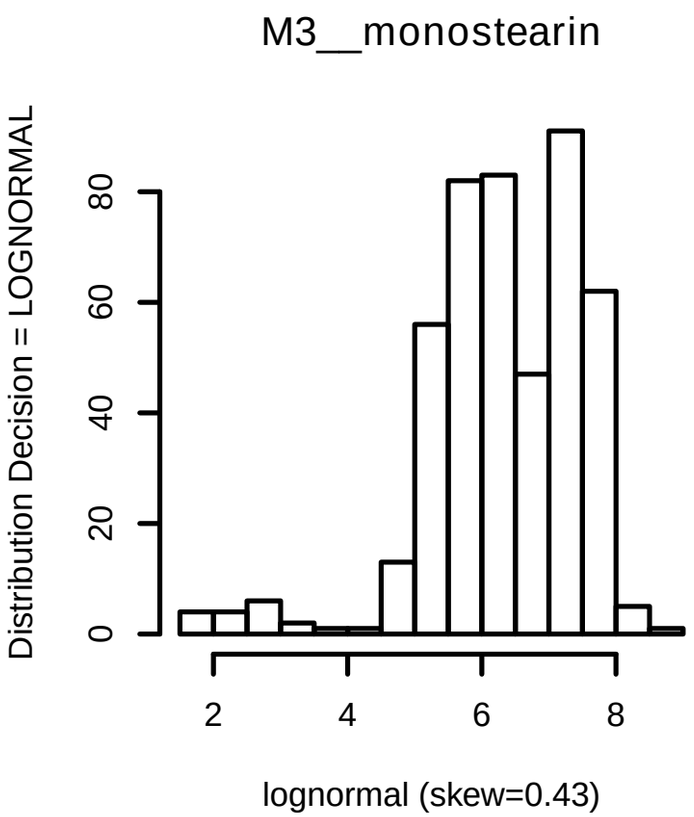

M3_alpha_ketoglutaric_acid
Distribution Decision = LOGNORMAL
0
100
200
300
0
2000
6000
10000
normal (skew=1)

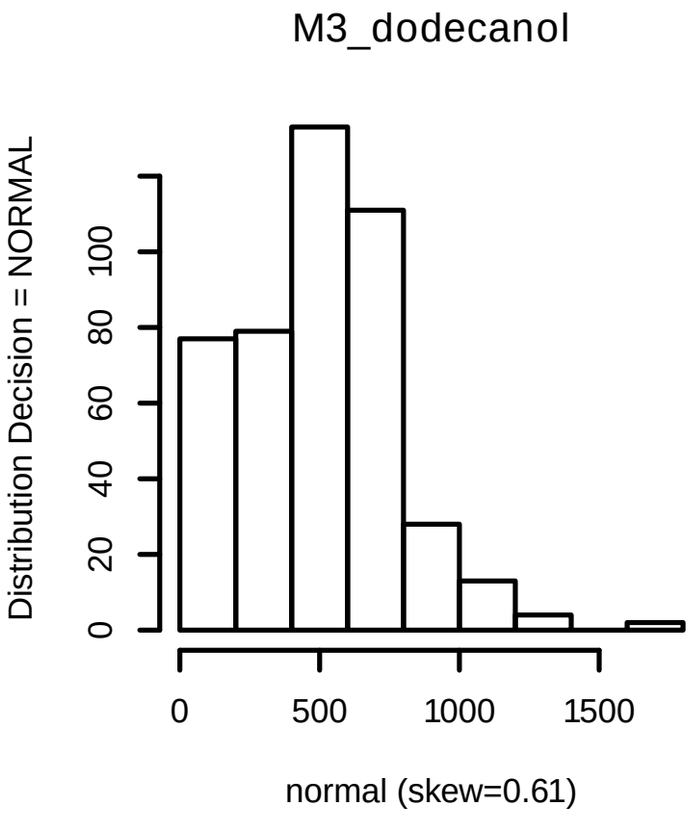

M3_alpha_ketoglutaric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0)

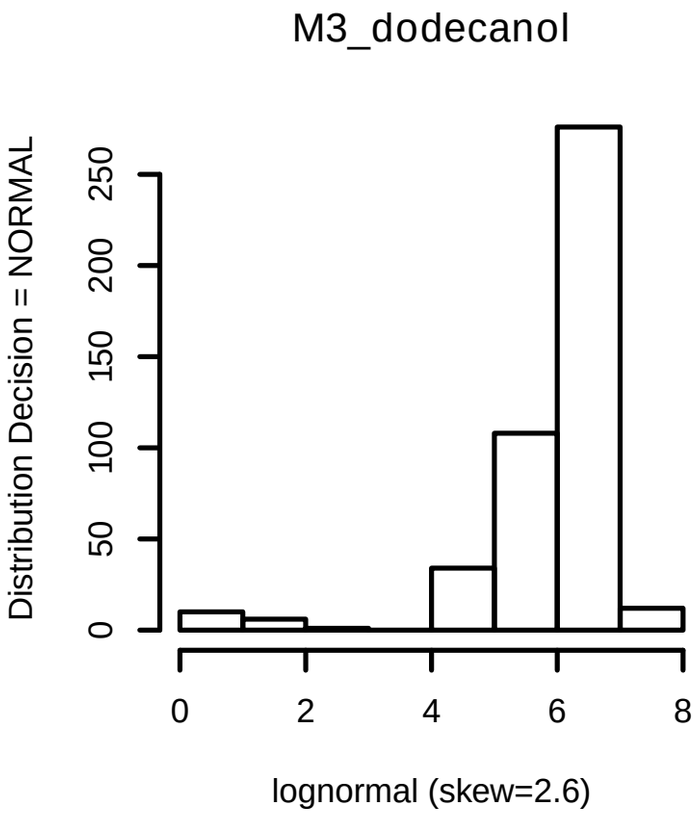

M3__deoxytetronic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2000
4000
6000
normal (skew=0.6)

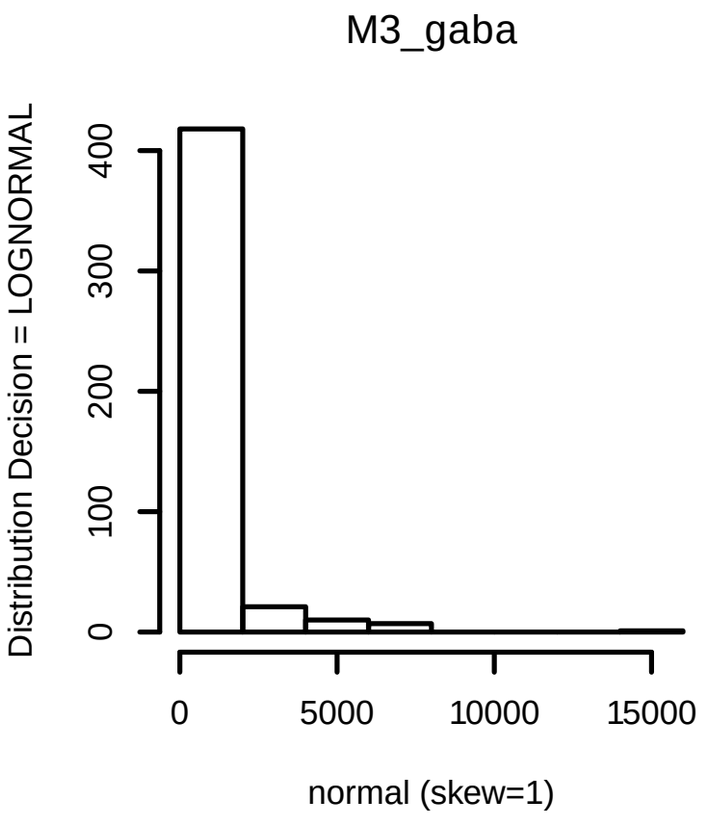

M3__deoxytetronic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
2
4
6
8
lognormal (skew=0.086)

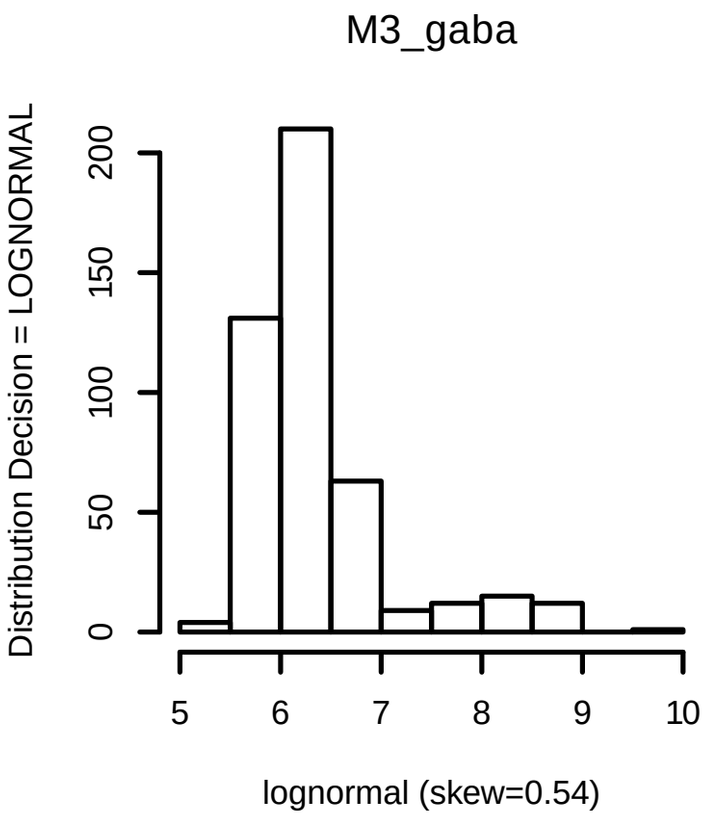

M3__monostearin
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
3000
5000
normal (skew=0.72)

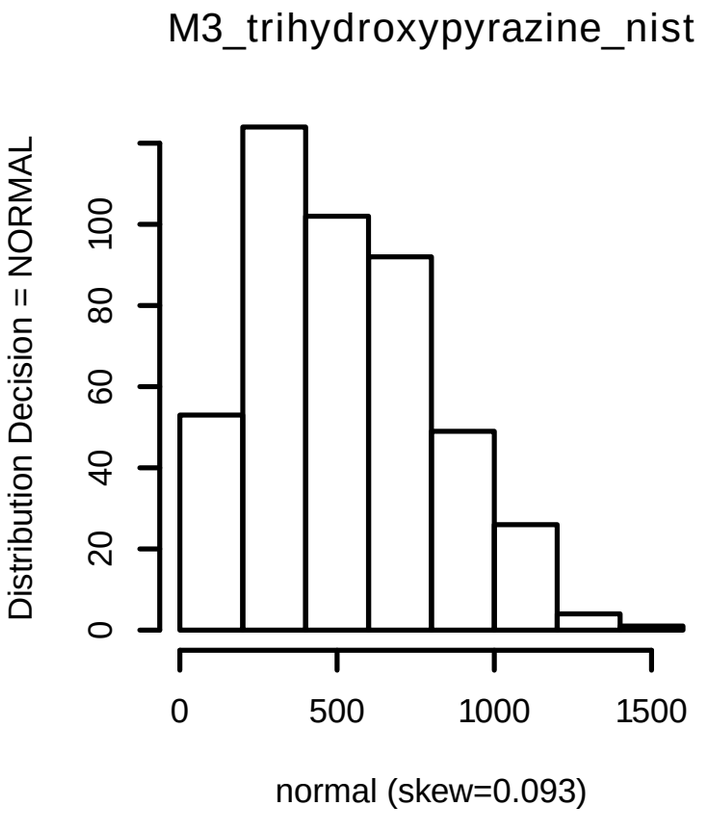

M3__monostearin
Distribution Decision = LOGNORMAL
0
20
40
60
80
2
4
6
8
lognormal (skew=0.43)

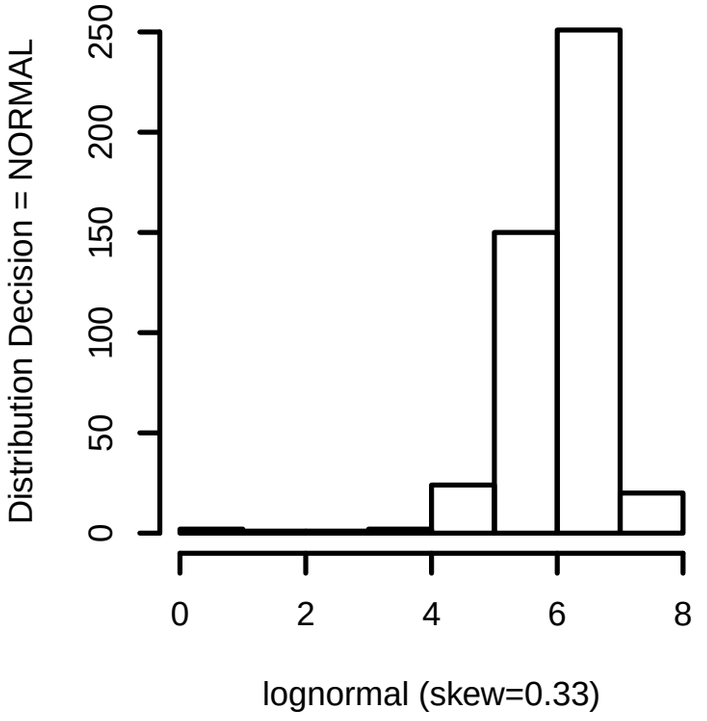

M3_dodecanol
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
normal (skew=0.61)

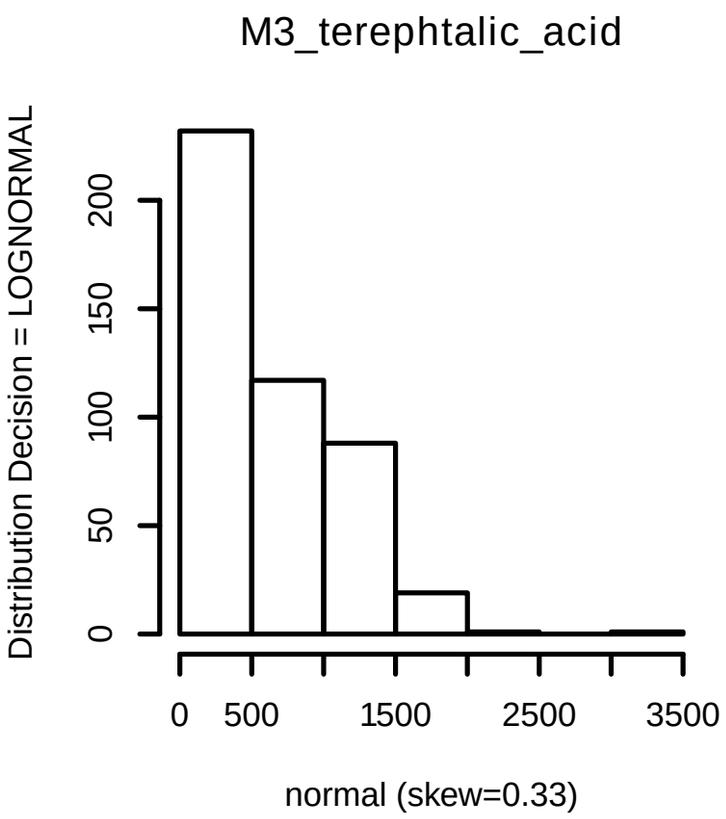

M3_dodecanol
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=2.6)

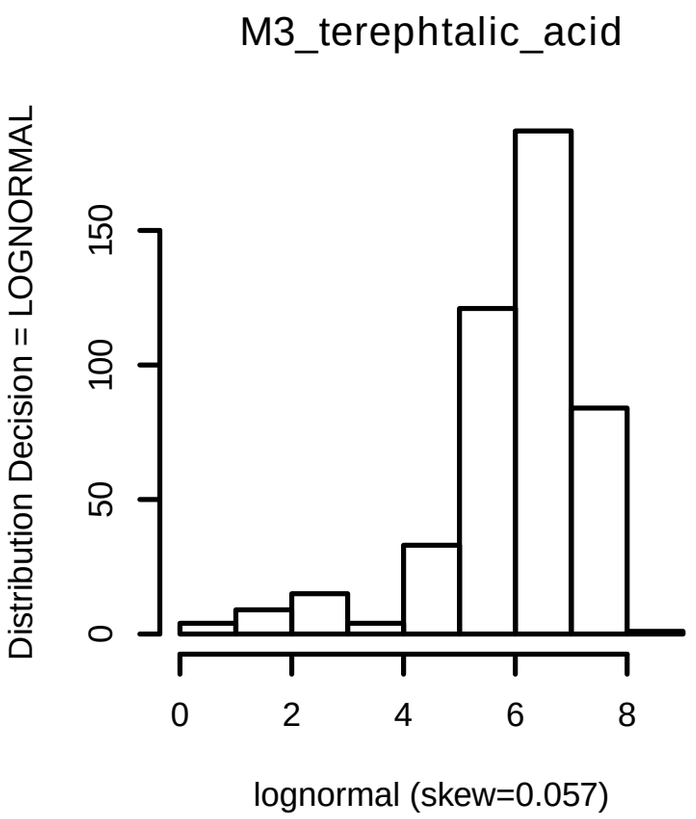

M3_gaba
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
normal (skew=1)

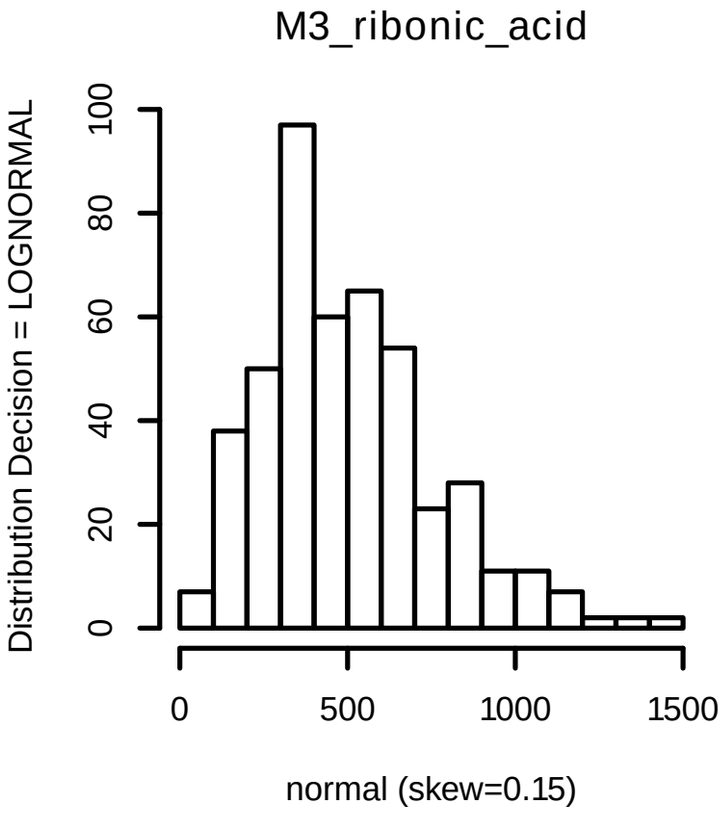

M3_gaba
Distribution Decision = LOGNORMAL
0
50
100
150
200
5
6
7
8
9
10
lognormal (skew=0.54)

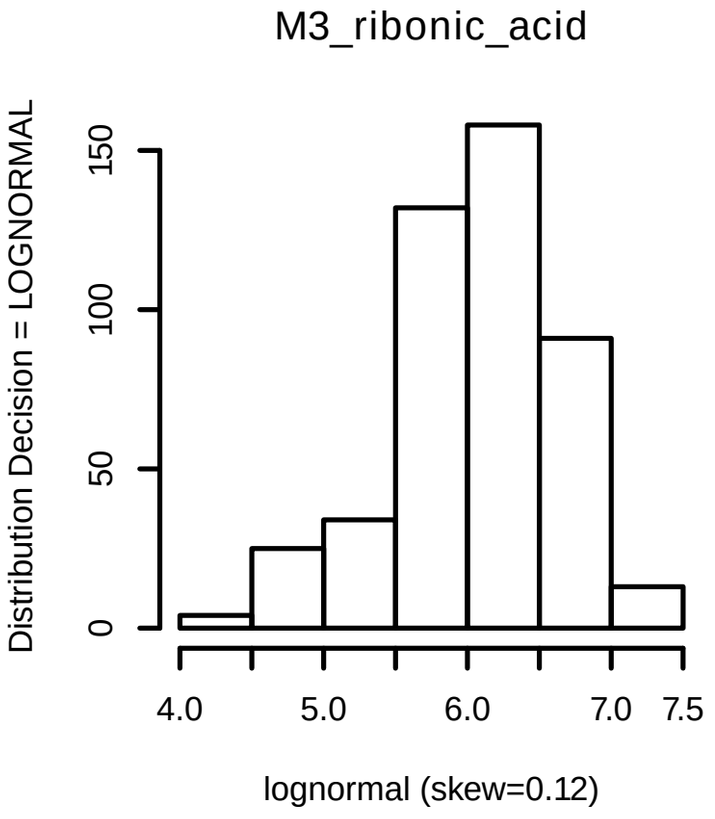

M3_trihydroxypyrazine_nist
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
normal (skew=0.093)

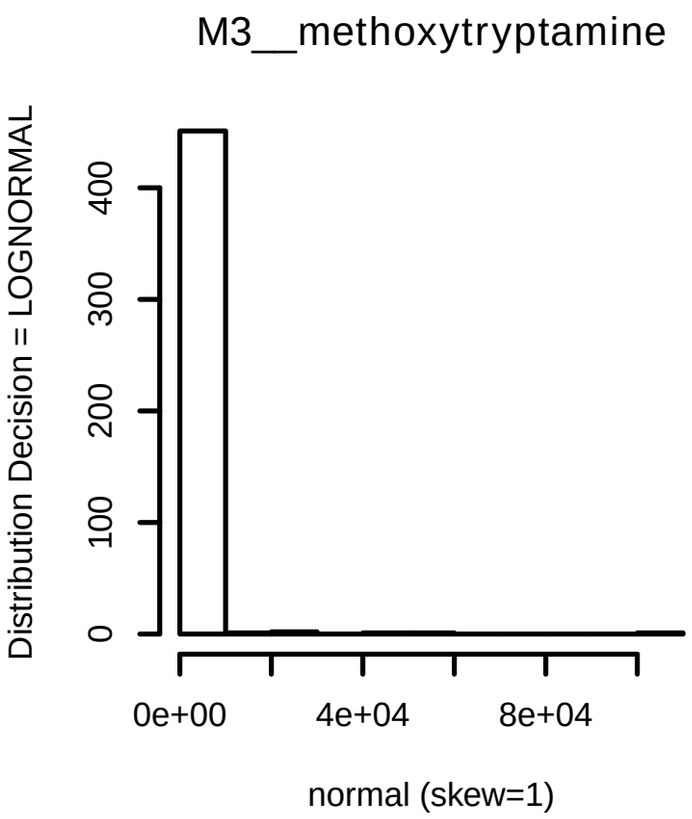

M3_trihydroxypyrazine_nist
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.33)

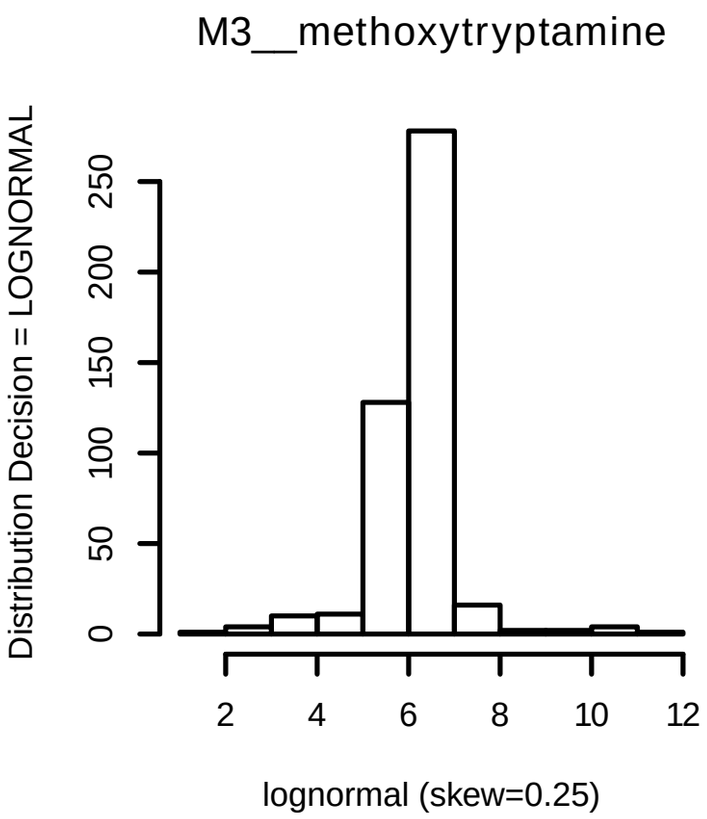

M3_terephtalic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.33)

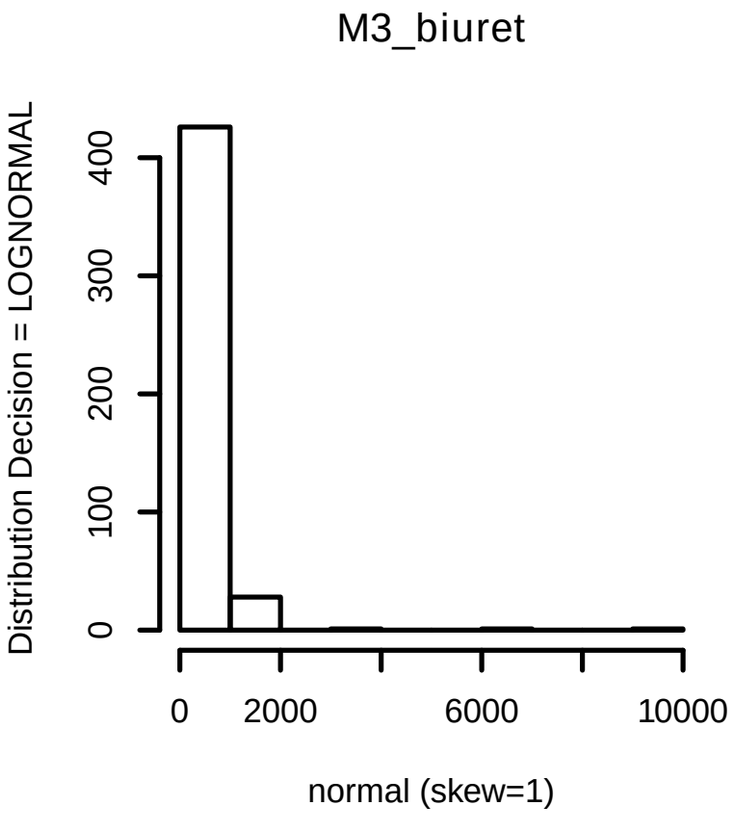

M3_terephtalic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.057)

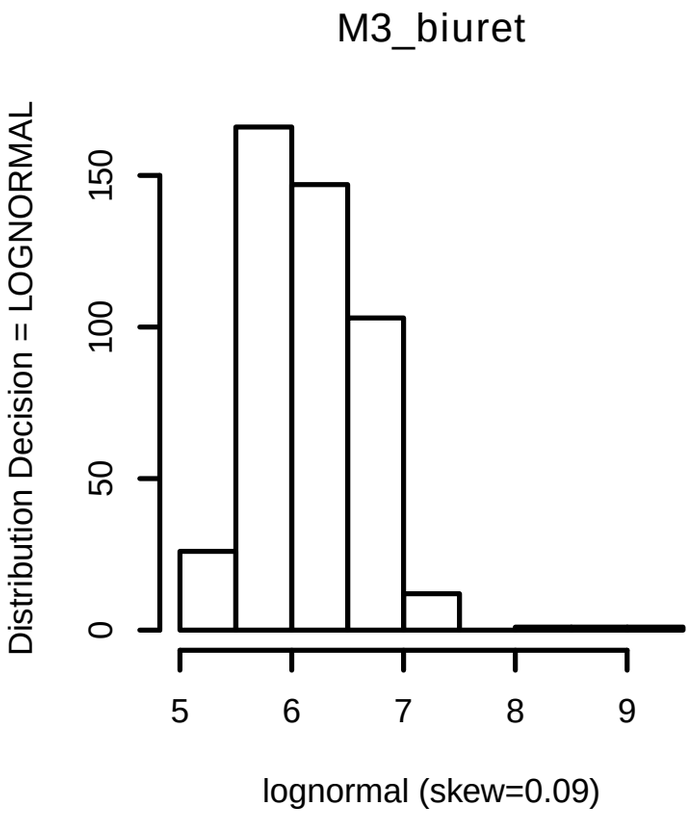

M3_ribonic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
500
1000
1500
normal (skew=0.15)

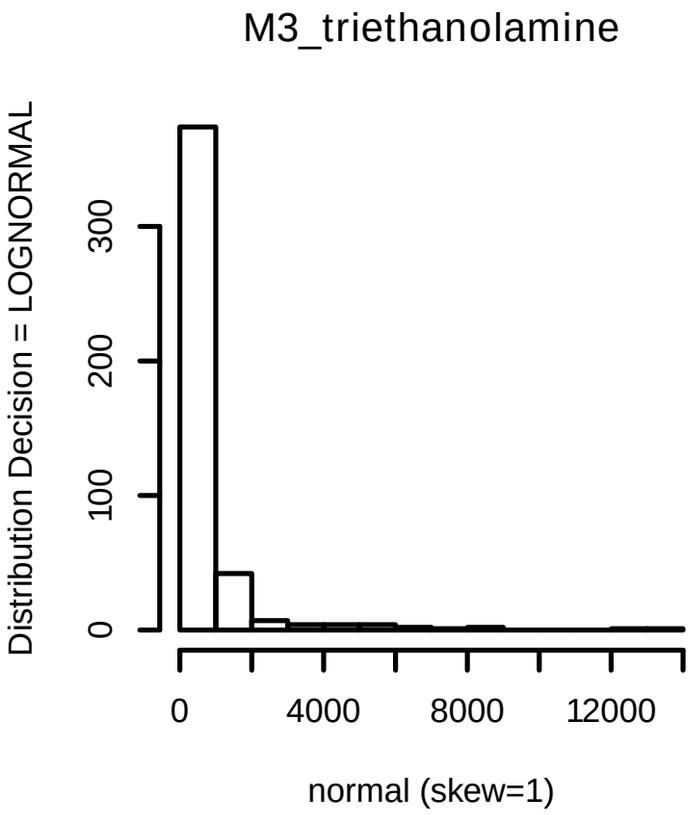

M3_ribonic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
4.0
5.0
6.0
7.0
7.5
lognormal (skew=0.12)

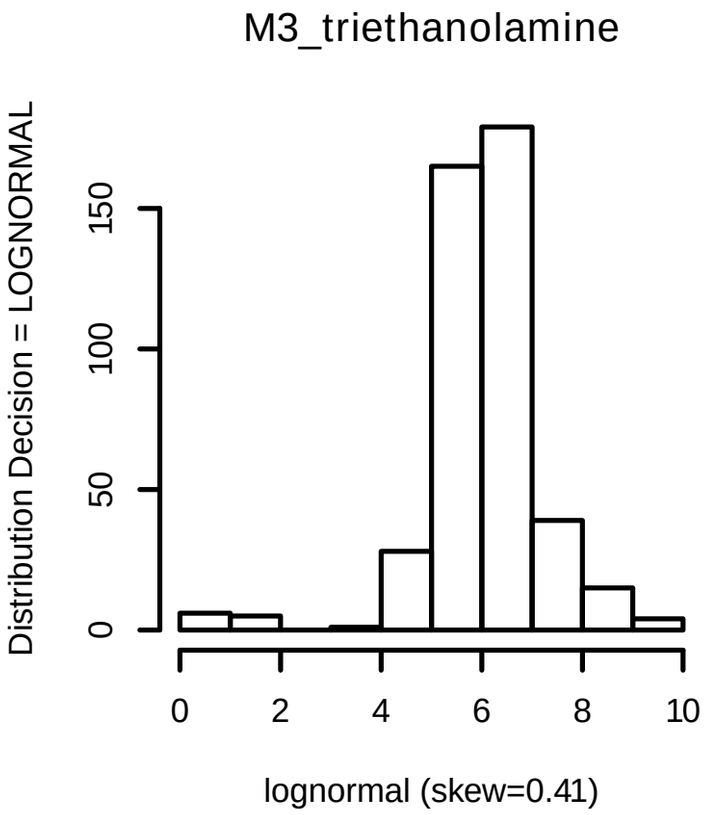

M3__methoxytryptamine
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
4e+04
8e+04
normal (skew=1)

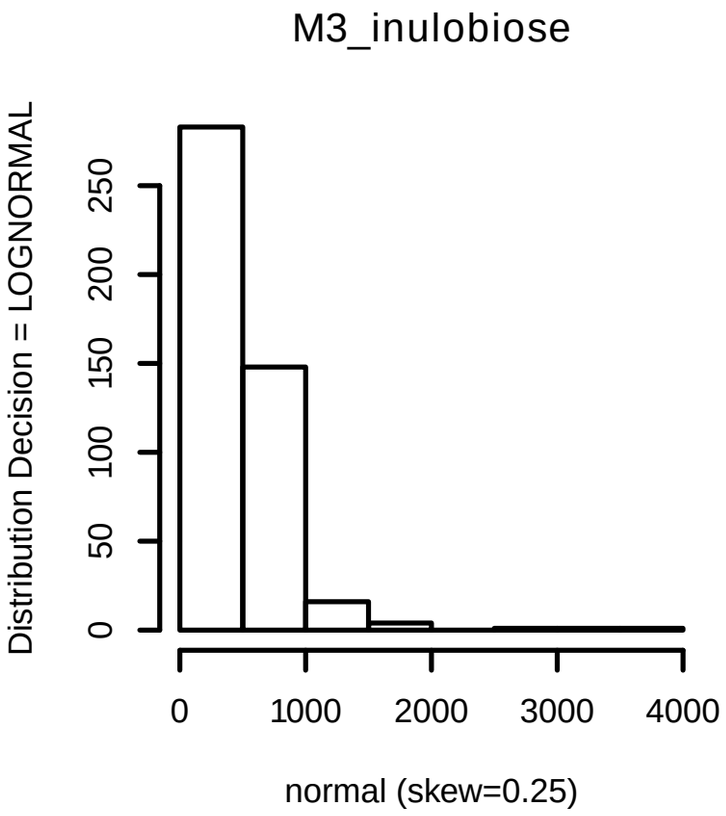

M3__methoxytryptamine
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
2
4
6
8
10
12
lognormal (skew=0.25)

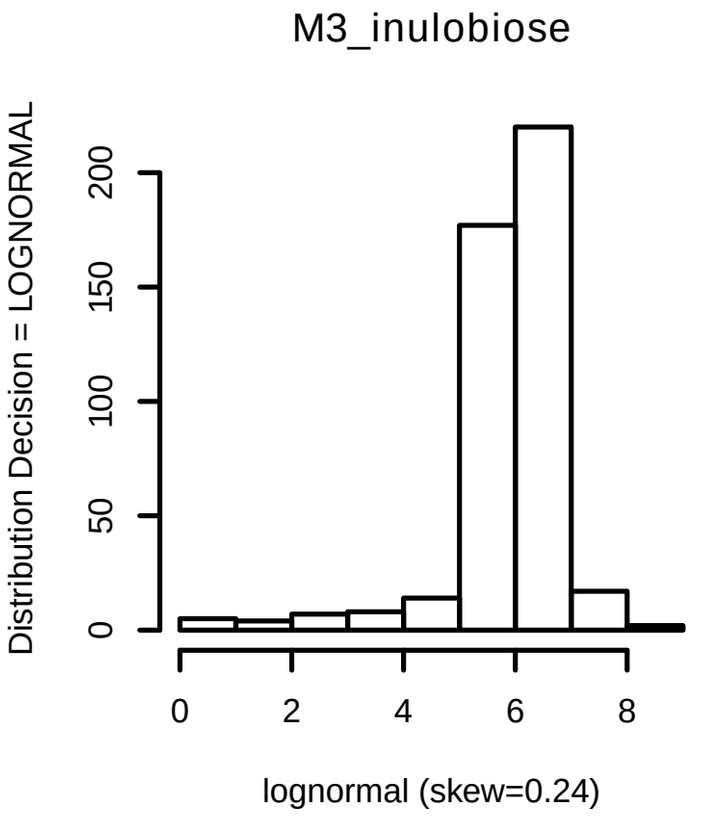

M3_biuret
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

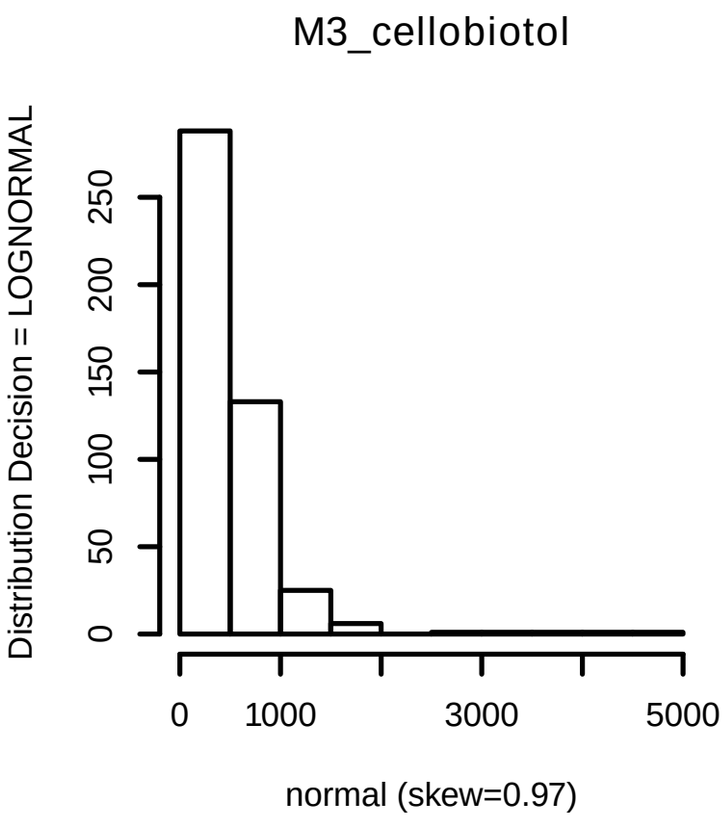

M3_biuret
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
lognormal (skew=0.09)

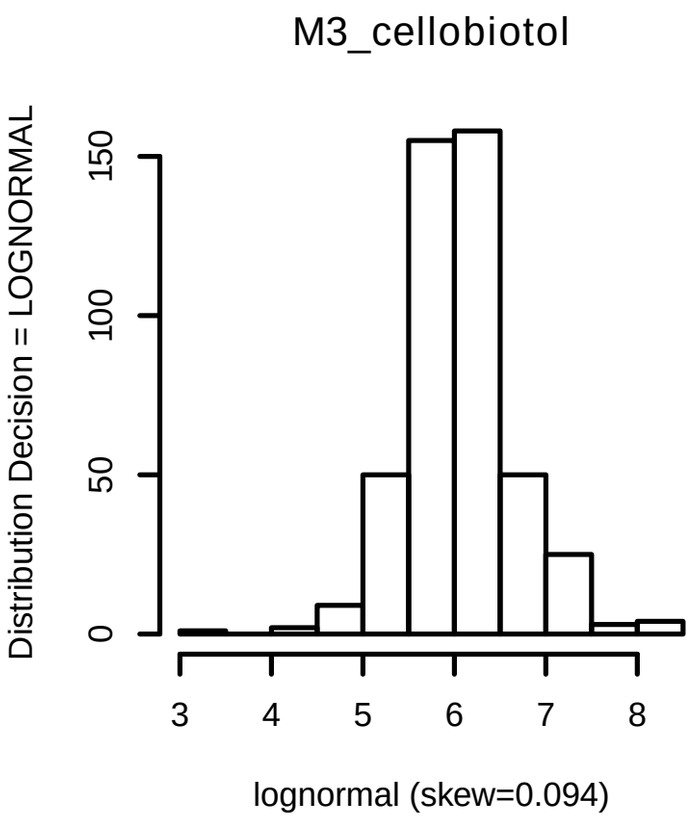

M3_triethanolamine
Distribution Decision = LOGNORMAL
0
100
200
300
0
4000
8000
12000
normal (skew=1)

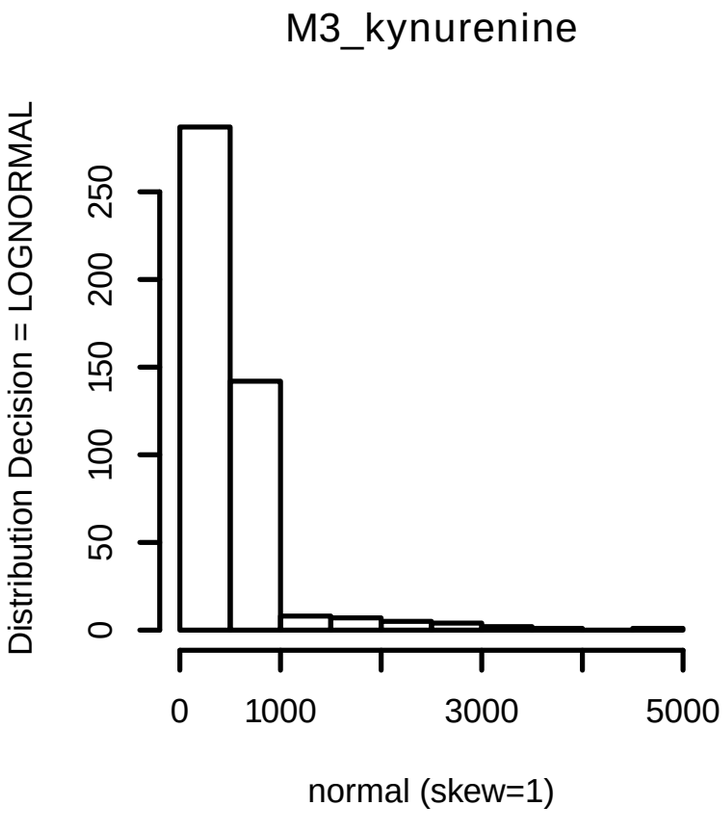

M3_triethanolamine
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.41)

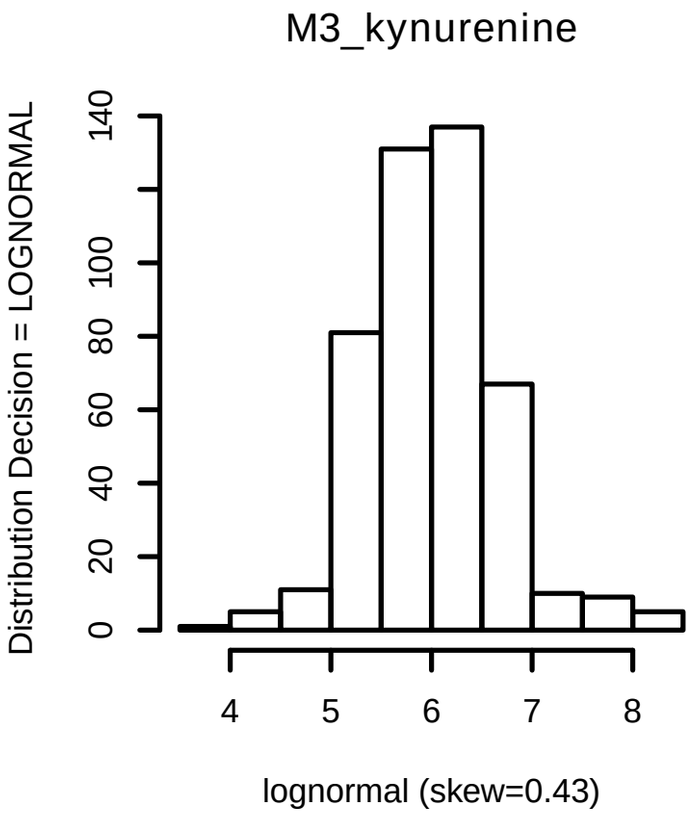

M3_inulobiose
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
1000
2000
3000
4000
normal (skew=0.25)

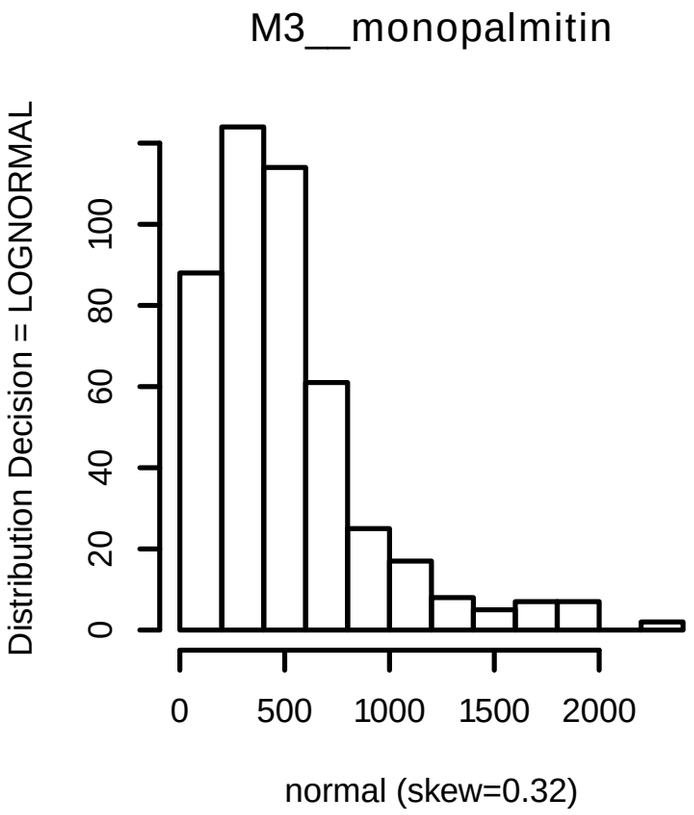

M3_inulobiose
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.24)

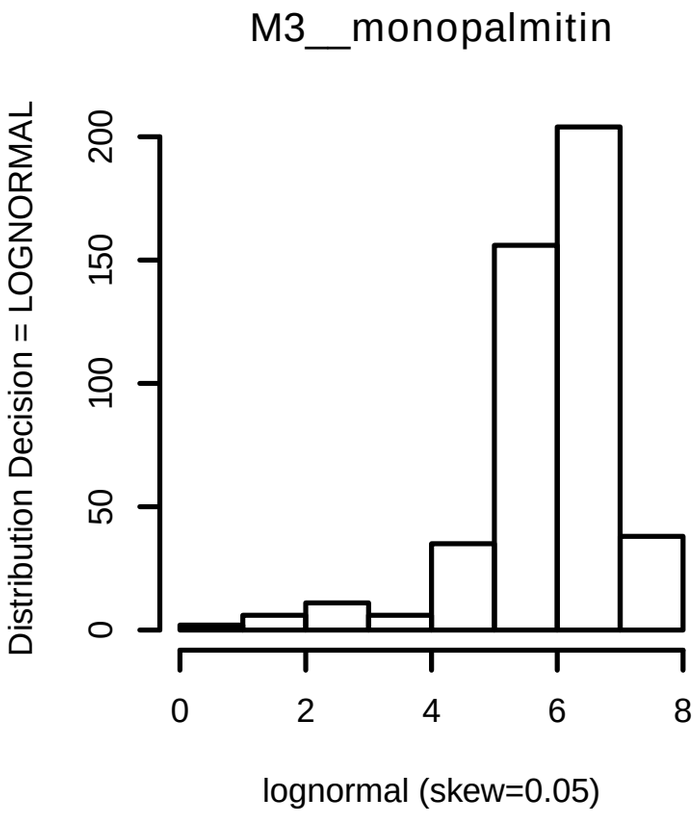

M3_cellobiotol
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
1000
3000
5000
normal (skew=0.97)

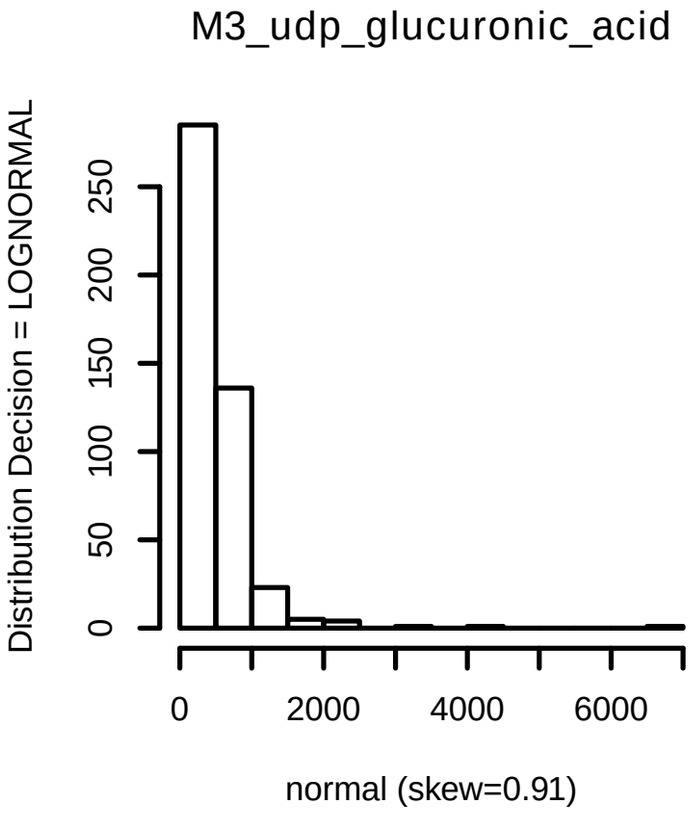

M3_cellobiotol
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0.094)

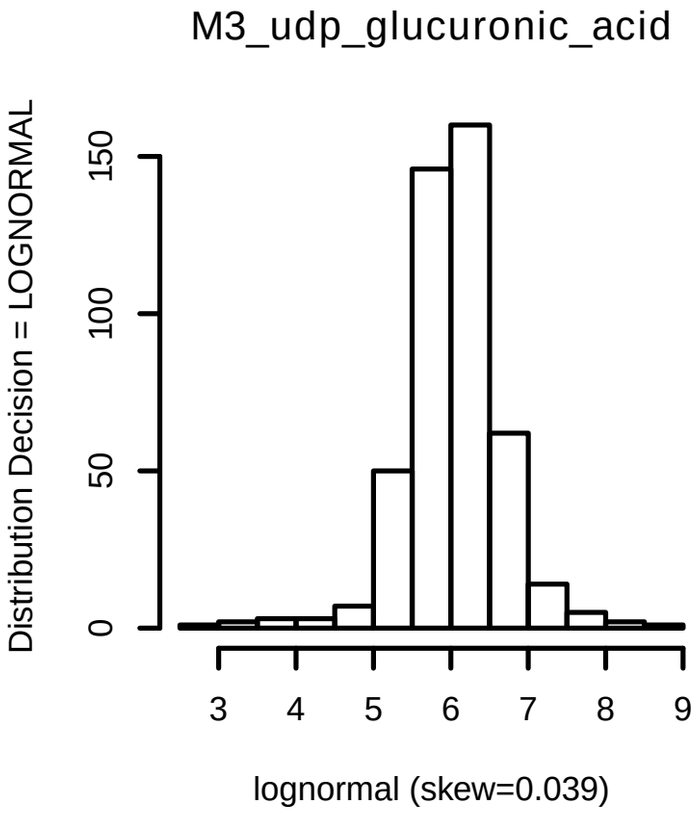

M3_kynurenine
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
1000
3000
5000
normal (skew=1)

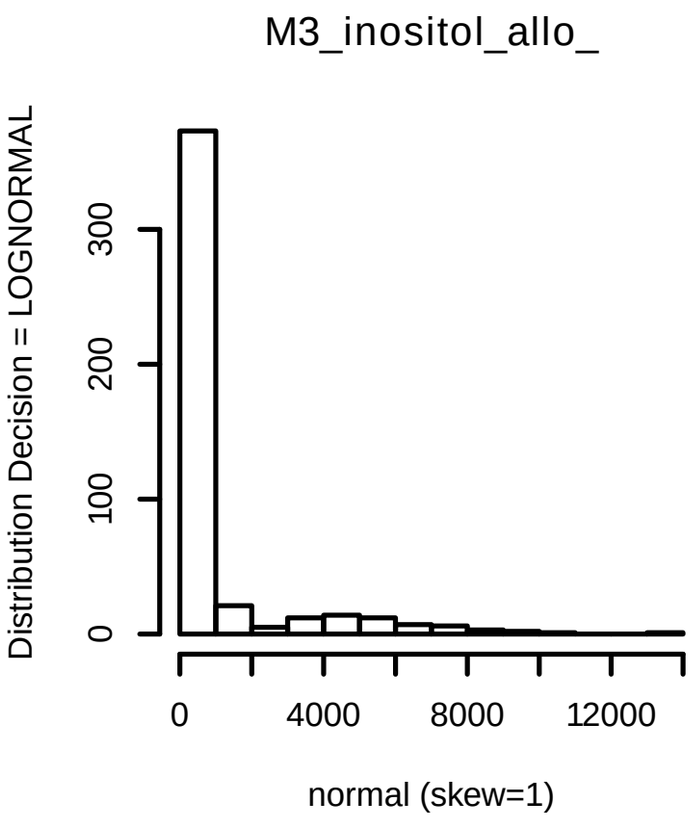

M3_kynurenine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
4
5
6
7
8
lognormal (skew=0.43)

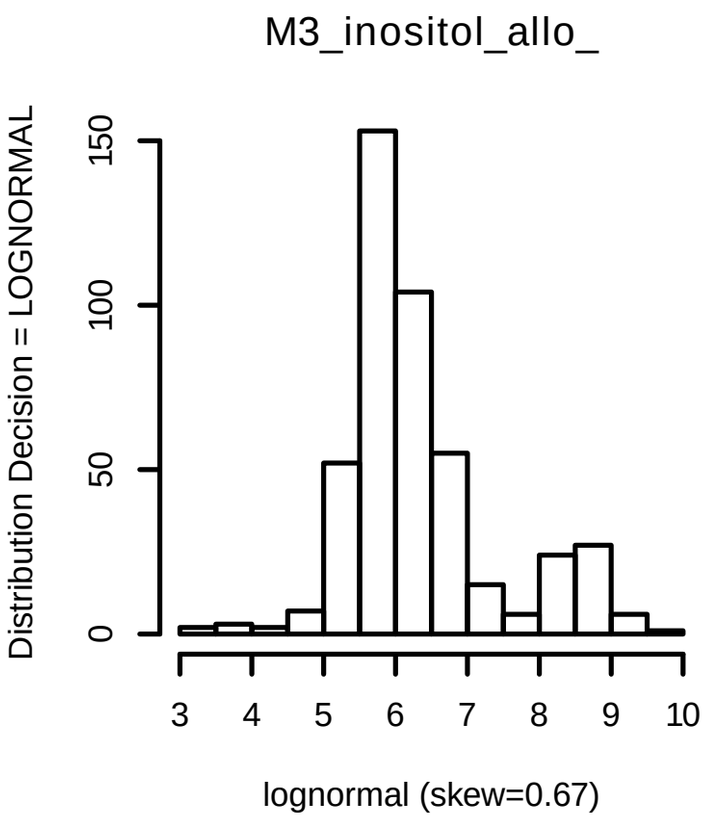

M3__monopalmitin
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
500
1000
1500
2000
normal (skew=0.32)

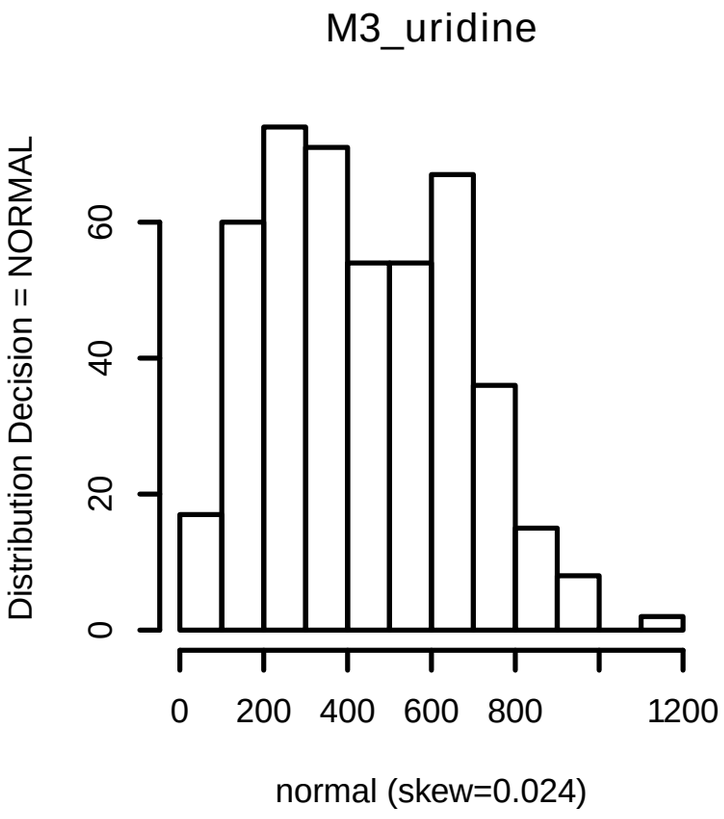

M3__monopalmitin
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.05)

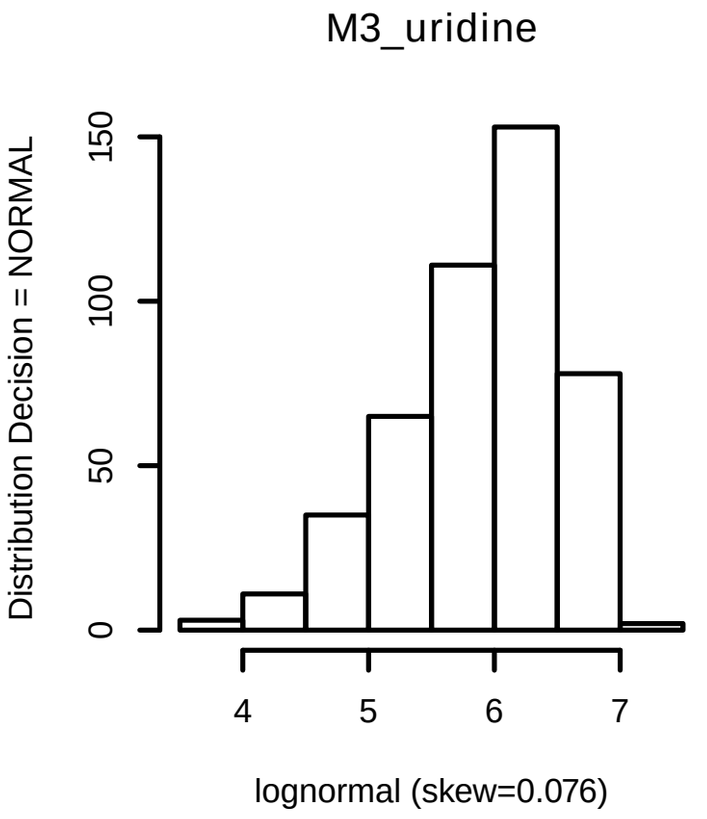

M3_udp_glucuronic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2000
4000
6000
normal (skew=0.91)

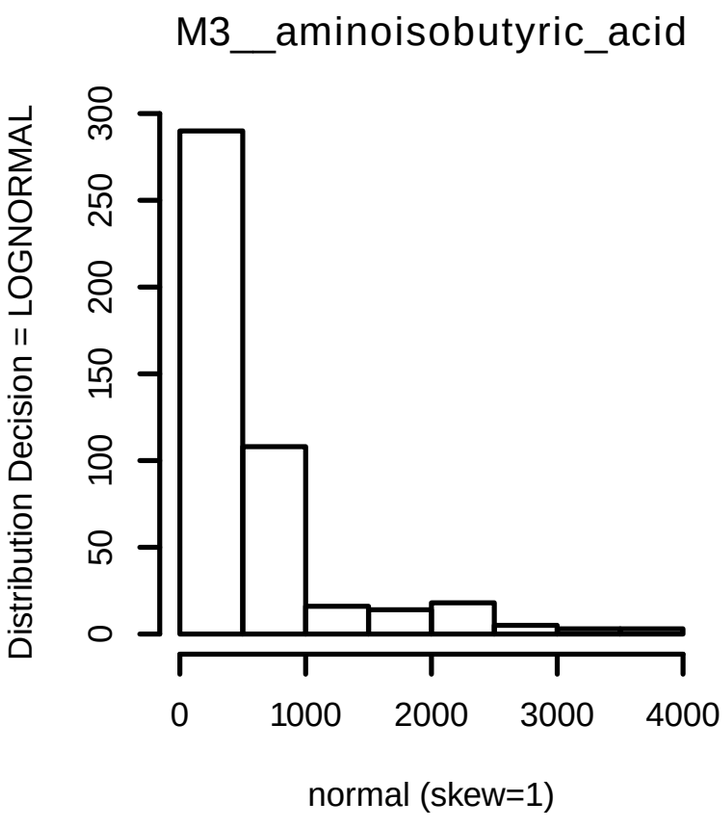

M3_udp_glucuronic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
9
lognormal (skew=0.039)

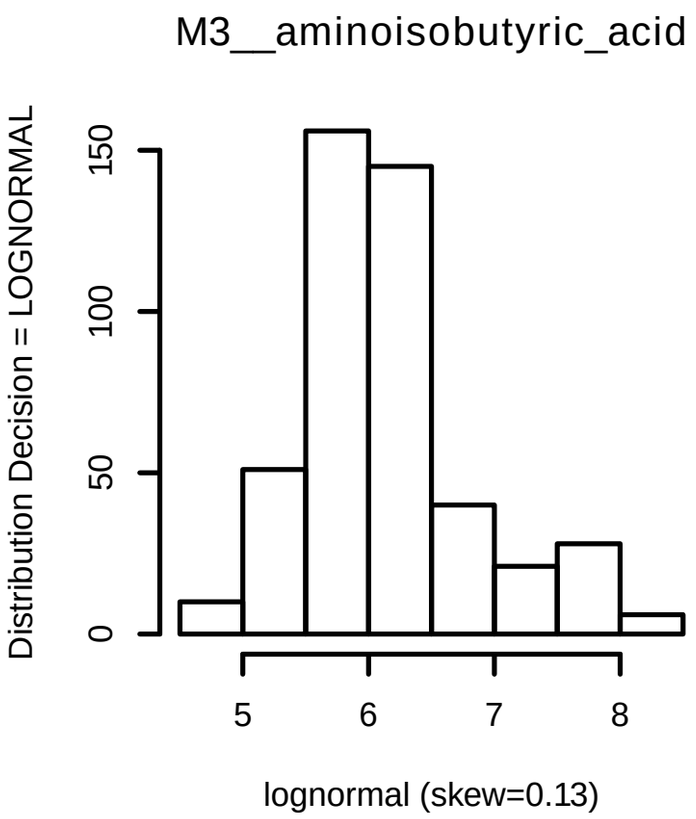

M3_inositol_allo_
Distribution Decision = LOGNORMAL
0
100
200
300
0
4000
8000
12000
normal (skew=1)

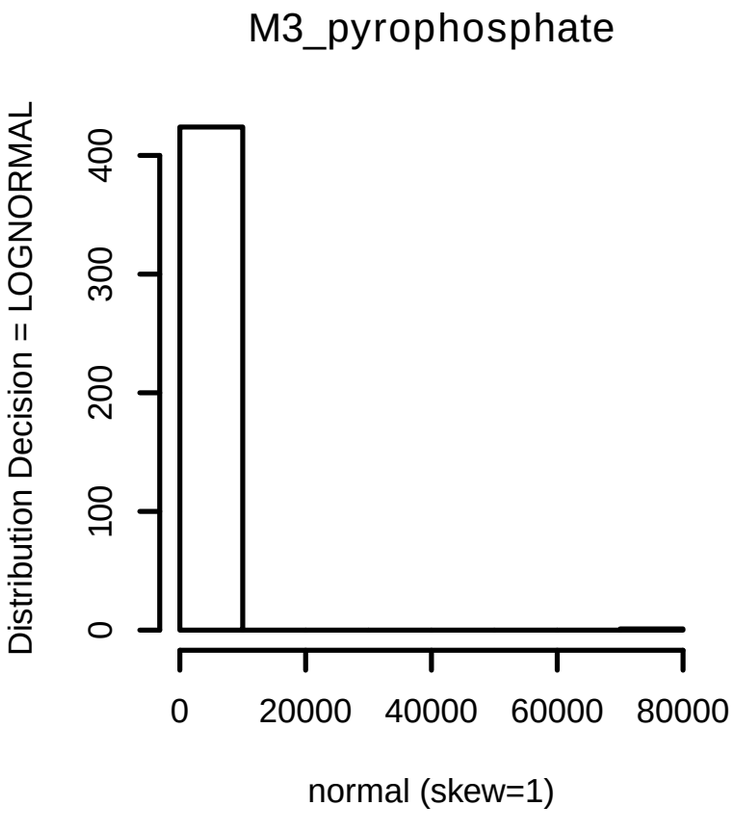

M3_inositol_allo_
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
9
10
lognormal (skew=0.67)

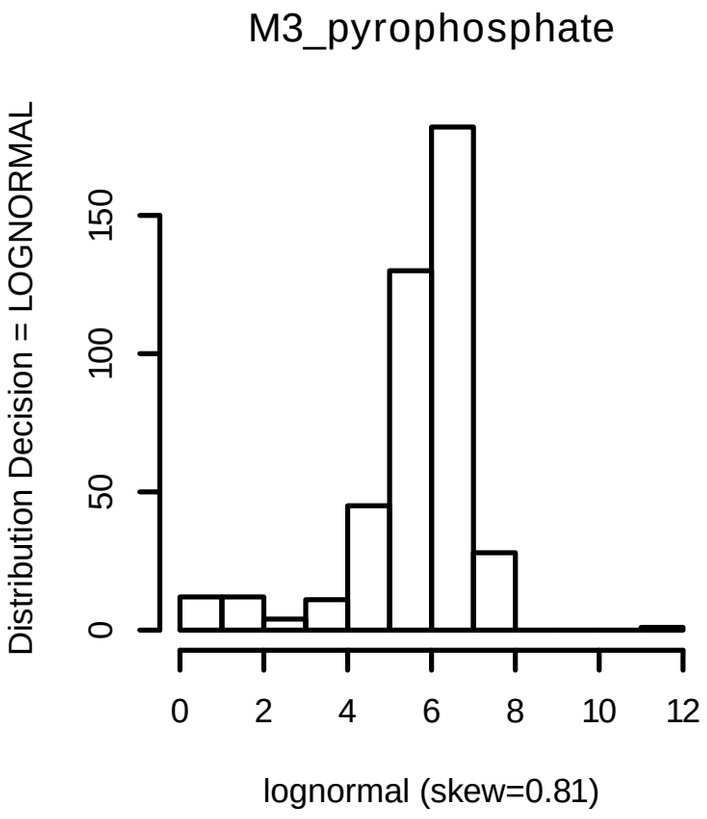

M3_uridine
Distribution Decision = NORMAL
0
20
40
60
0
200
400
600
800
1200
normal (skew=0.024)

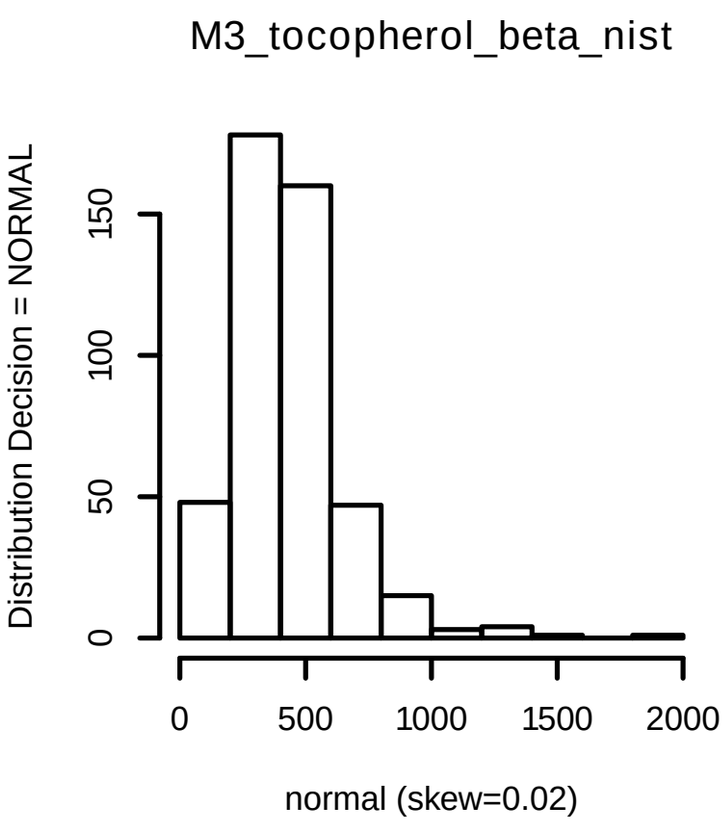

M3_uridine
Distribution Decision = NORMAL
0
50
100
150
4
5
6
7
lognormal (skew=0.076)

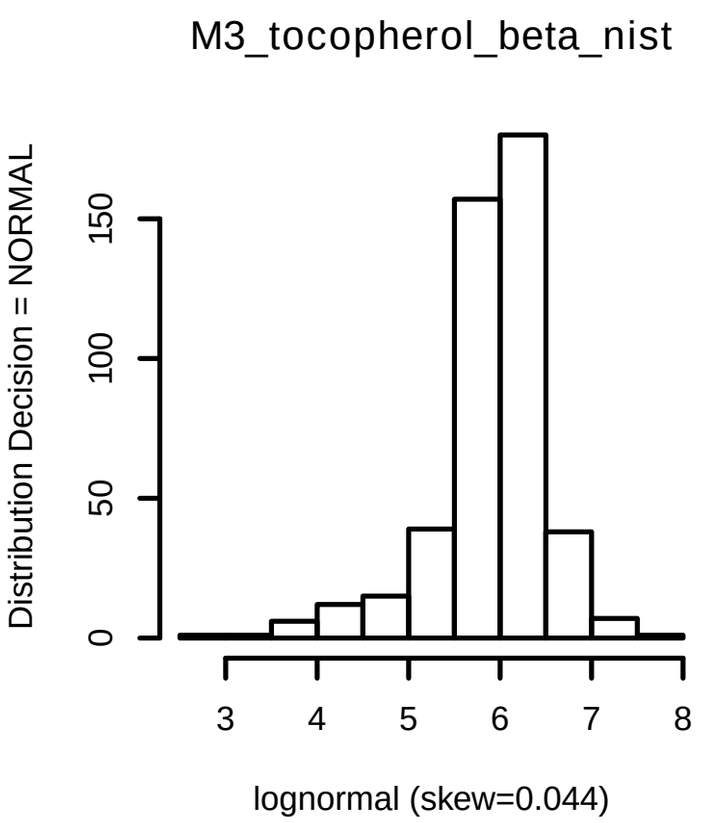

M3__aminoisobutyric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
1000
2000
3000
4000
normal (skew=1)

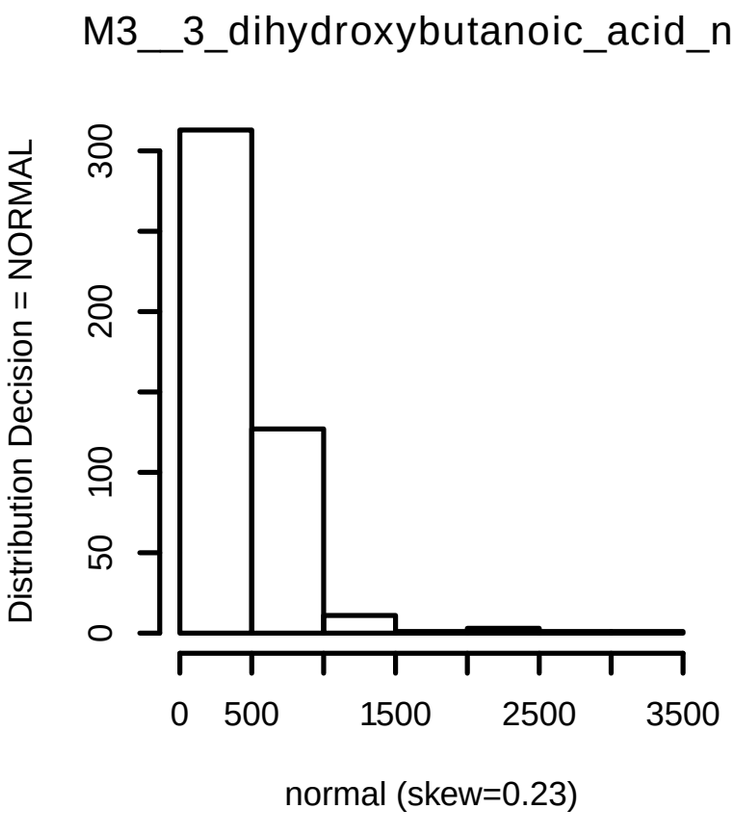

M3__aminoisobutyric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
lognormal (skew=0.13)

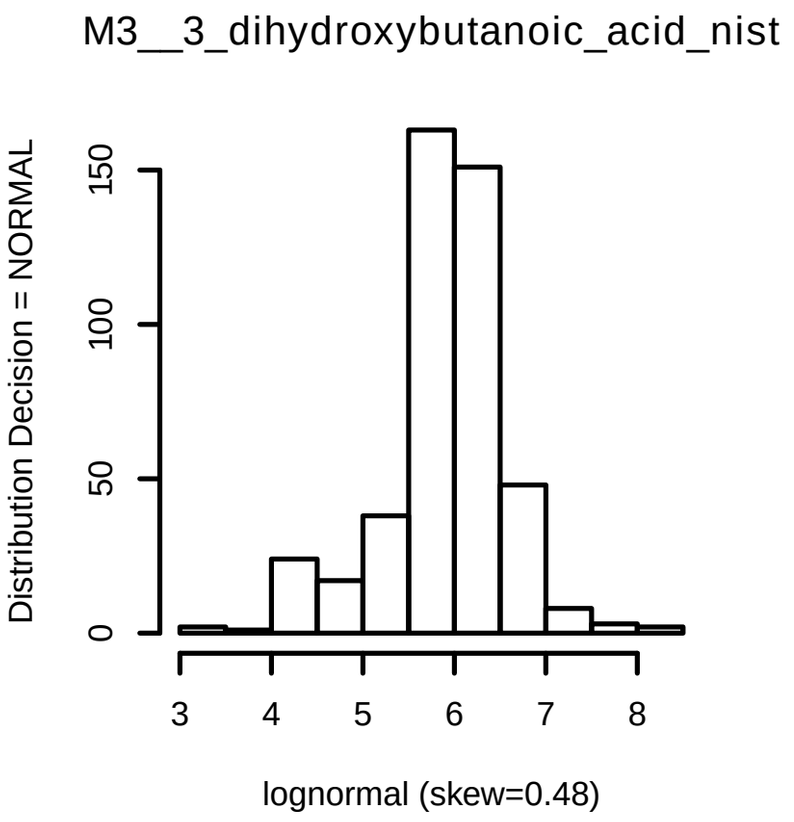

M3_pyrophosphate
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
40000
60000
80000
normal (skew=1)

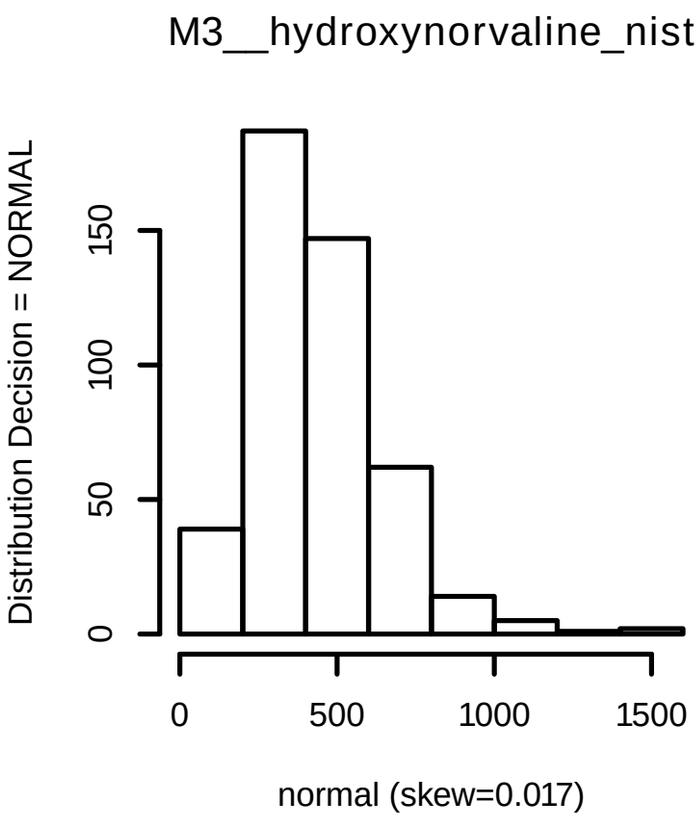

M3_pyrophosphate
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
12
lognormal (skew=0.81)

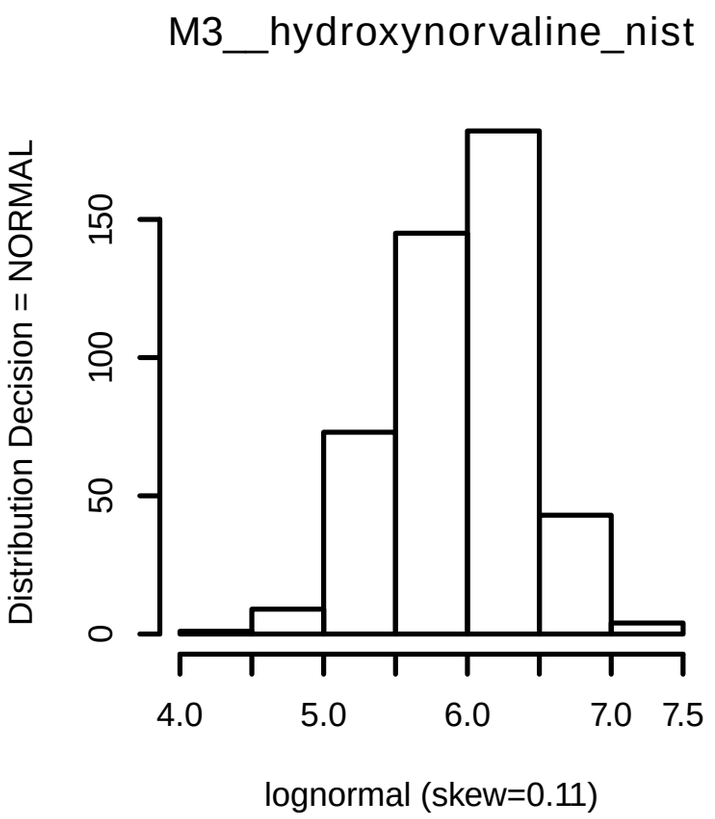

M3_tocopherol_beta_nist
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.02)

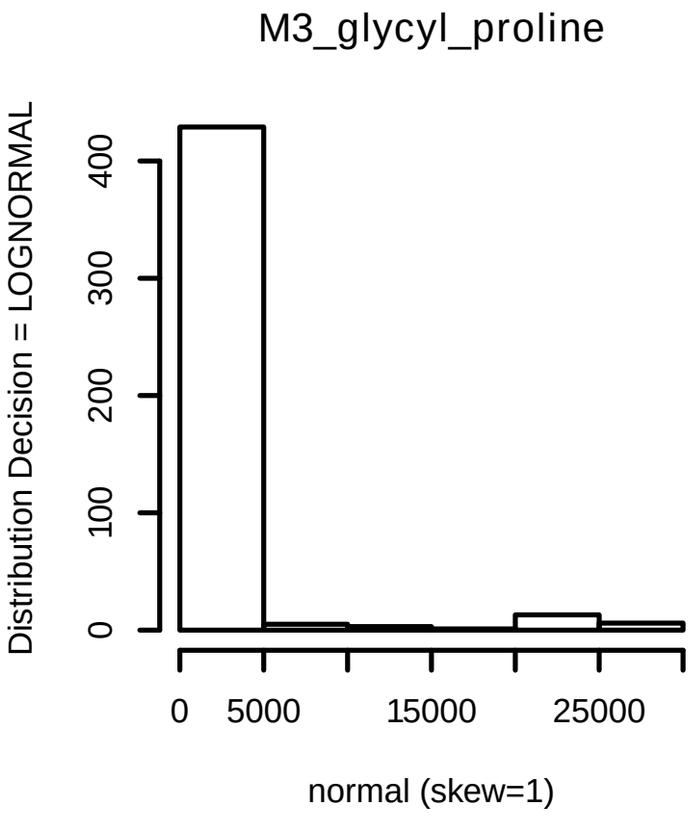

M3_tocopherol_beta_nist
Distribution Decision = NORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0.044)

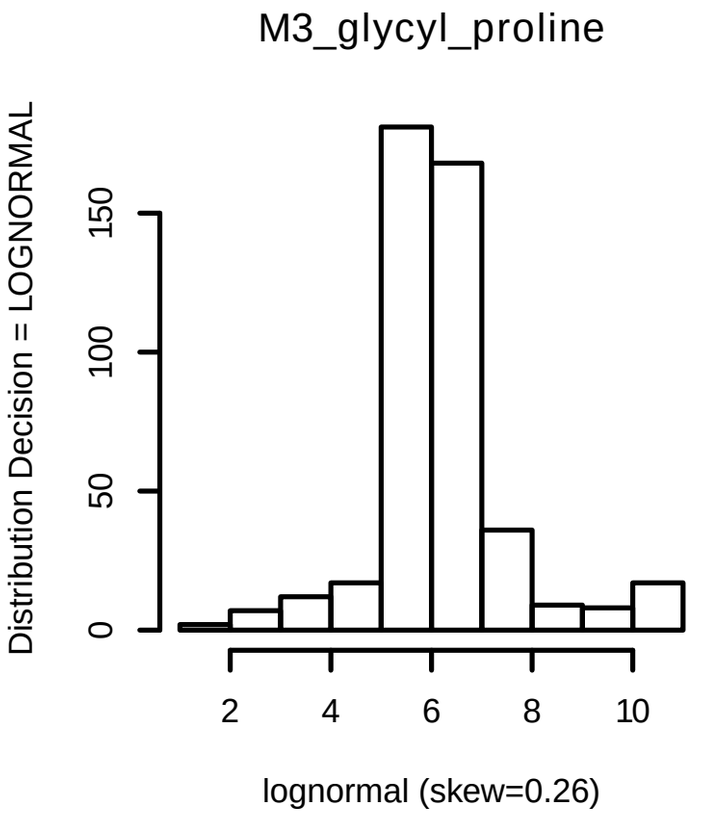

M3__3_dihydroxybutanoic_acid_nist
Distribution Decision = NORMAL
0
50
100
200
300
0
500
1500
2500
3500
normal (skew=0.23)

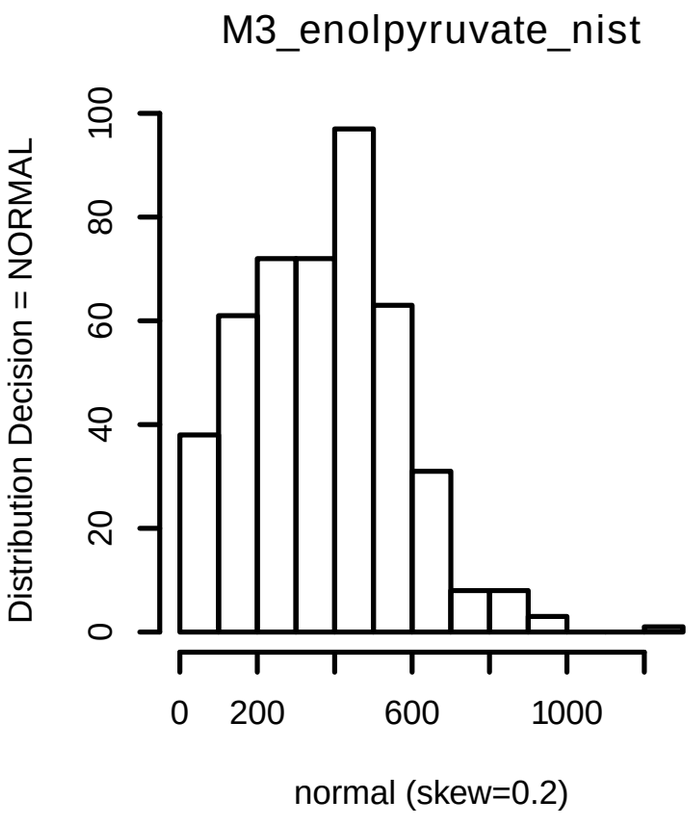

M3__3_dihydroxybutanoic_acid_nist
Distribution Decision = NORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0.48)

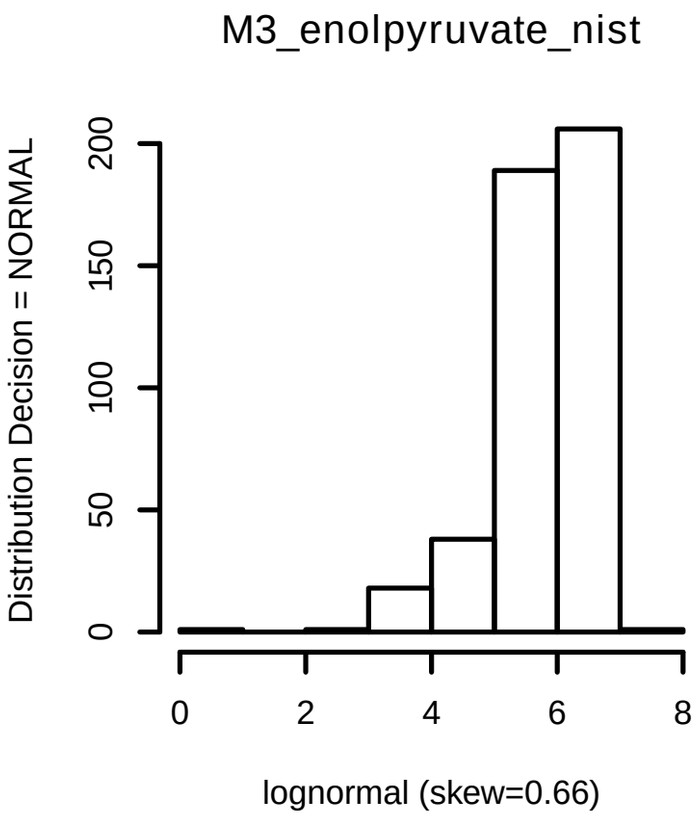

M3__hydroxynorvaline_nist
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
1500
normal (skew=0.017)

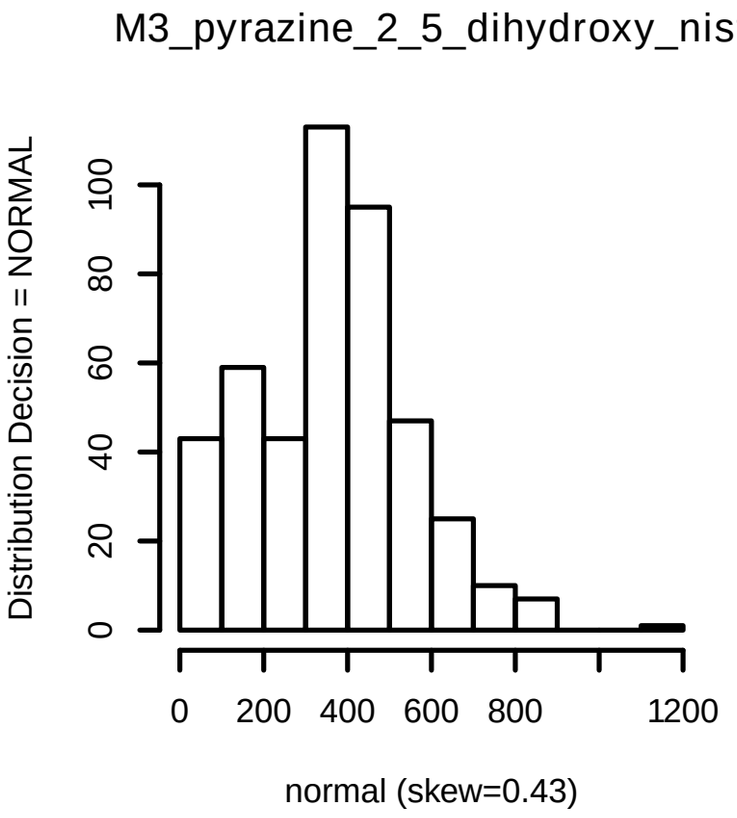

M3__hydroxynorvaline_nist
Distribution Decision = NORMAL
0
50
100
150
4.0
5.0
6.0
7.0
7.5
lognormal (skew=0.11)

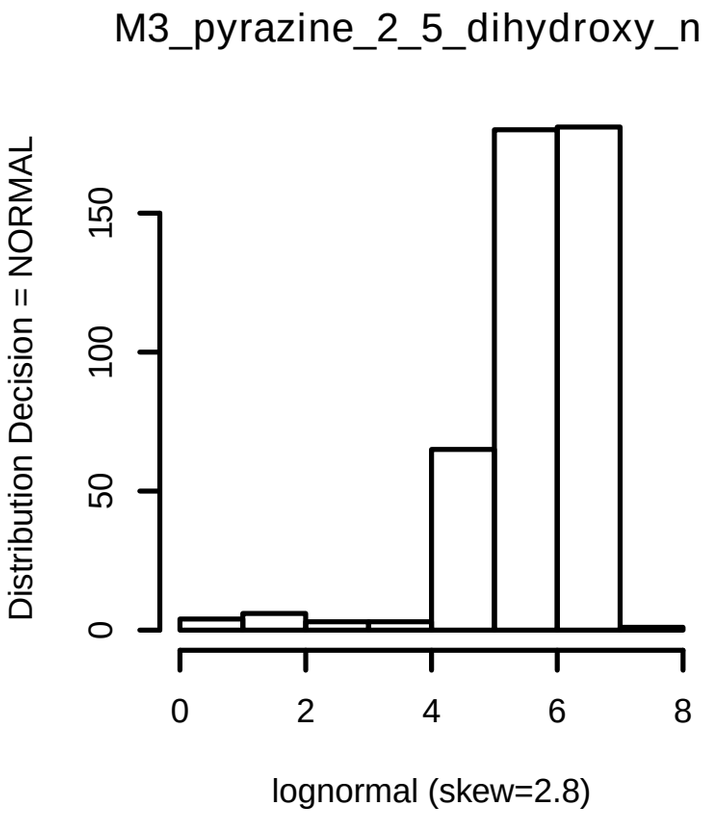

M3_glycyl_proline
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
15000
25000
normal (skew=1)

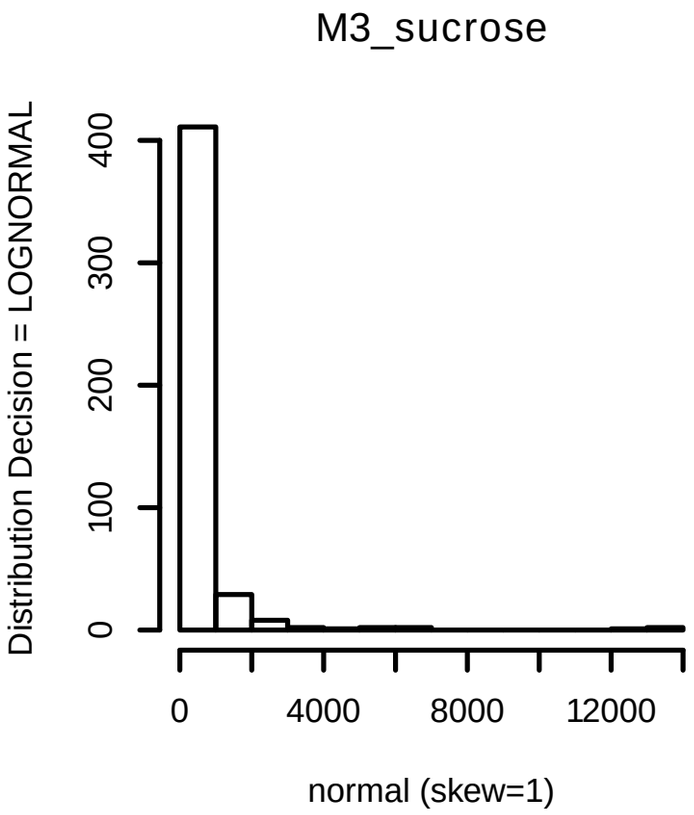

M3_glycyl_proline
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.26)

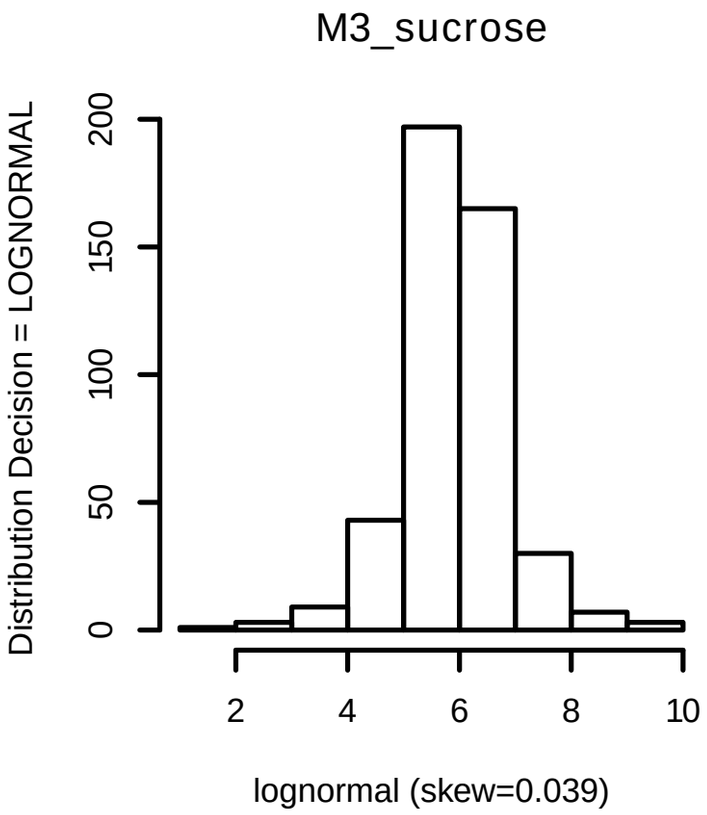

M3_enolpyruvate_nist
Distribution Decision = NORMAL
0
20
40
60
80
100
0
200
600
1000
normal (skew=0.2)

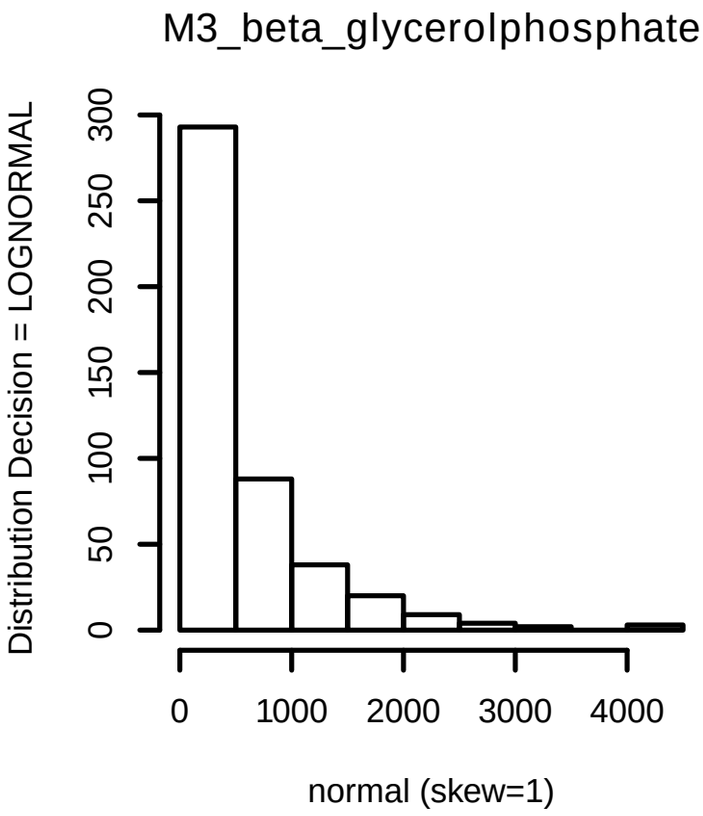

M3_enolpyruvate_nist
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.66)

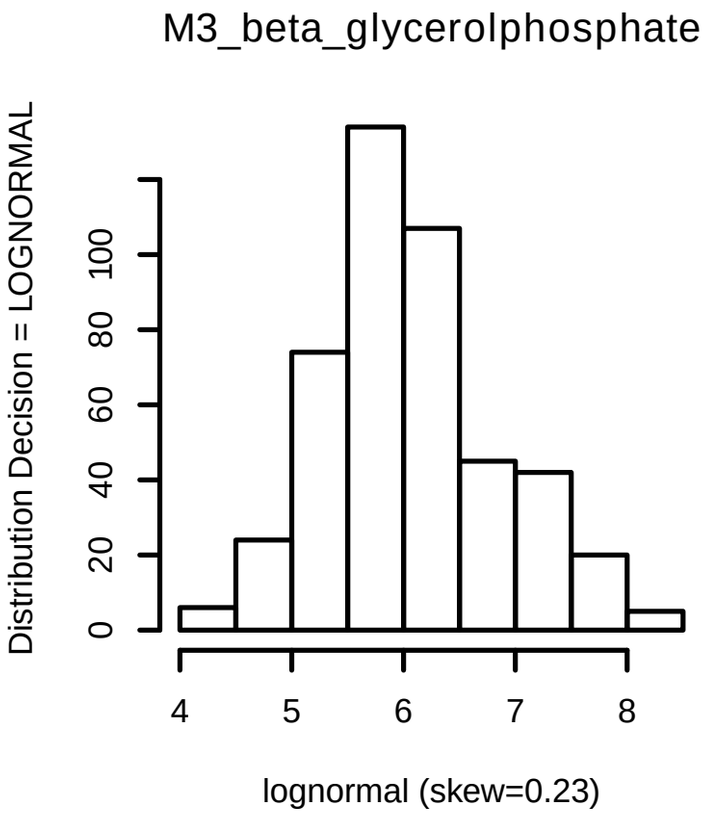

M3_pyrazine_2_5_dihydroxy_nist
Distribution Decision = NORMAL
0
20
40
60
80
100
0
200
400
600
800
1200
normal (skew=0.43)

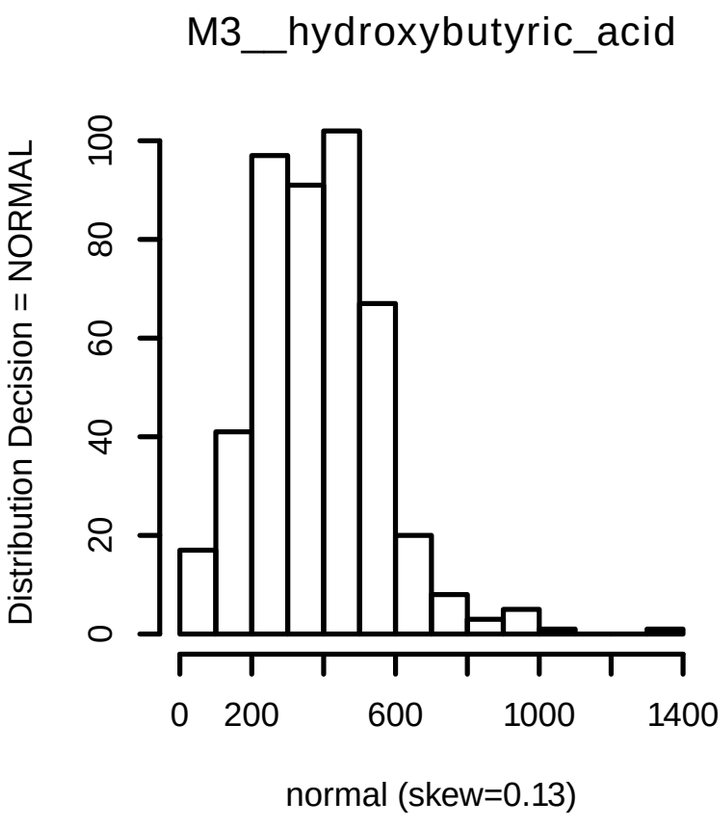

M3_pyrazine_2_5_dihydroxy_nist
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=2.8)

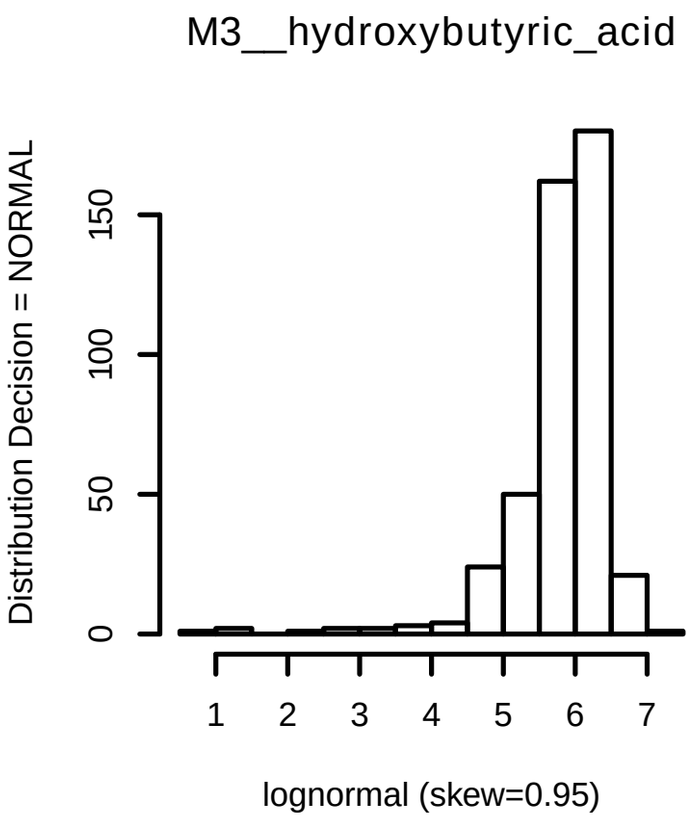

M3_sucrose
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
4000
8000
12000
normal (skew=1)

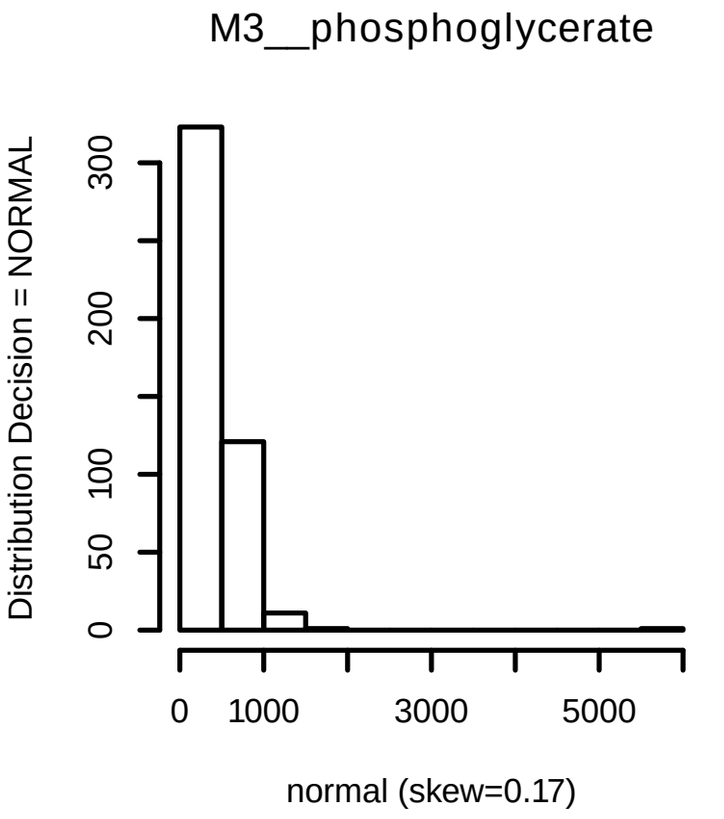

M3_sucrose
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.039)

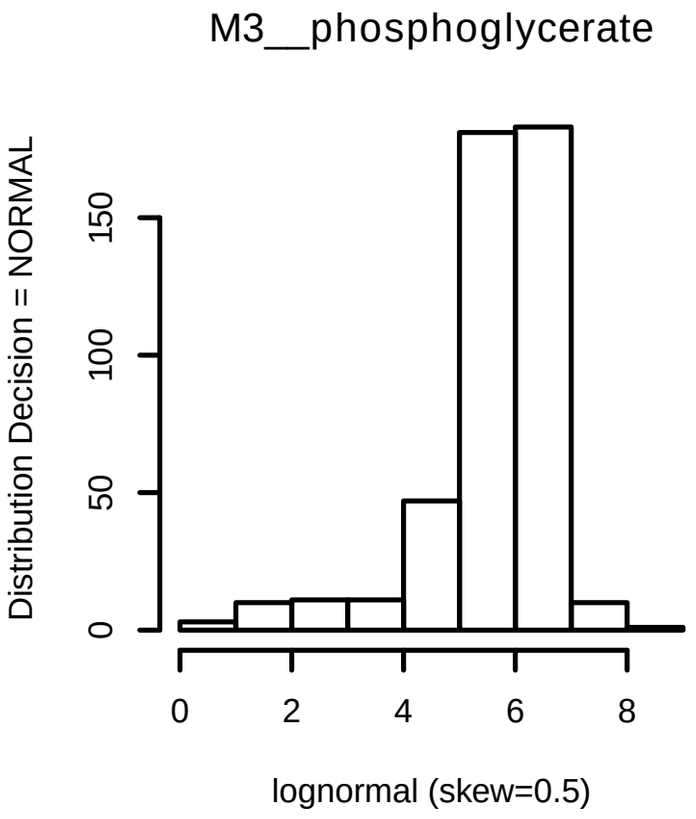

M3_beta_glycerolphosphate
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
1000
2000
3000
4000
normal (skew=1)

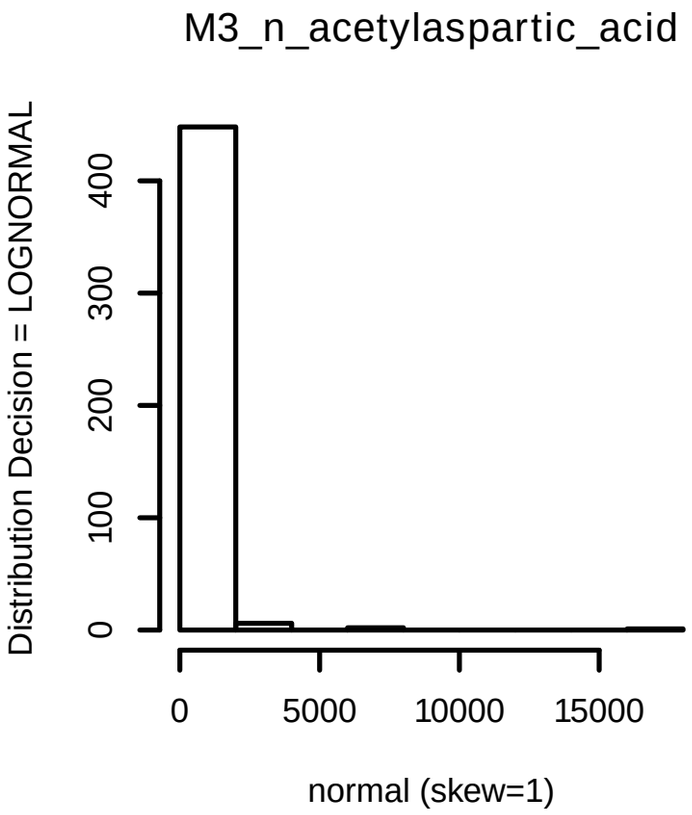

M3_beta_glycerolphosphate
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
lognormal (skew=0.23)

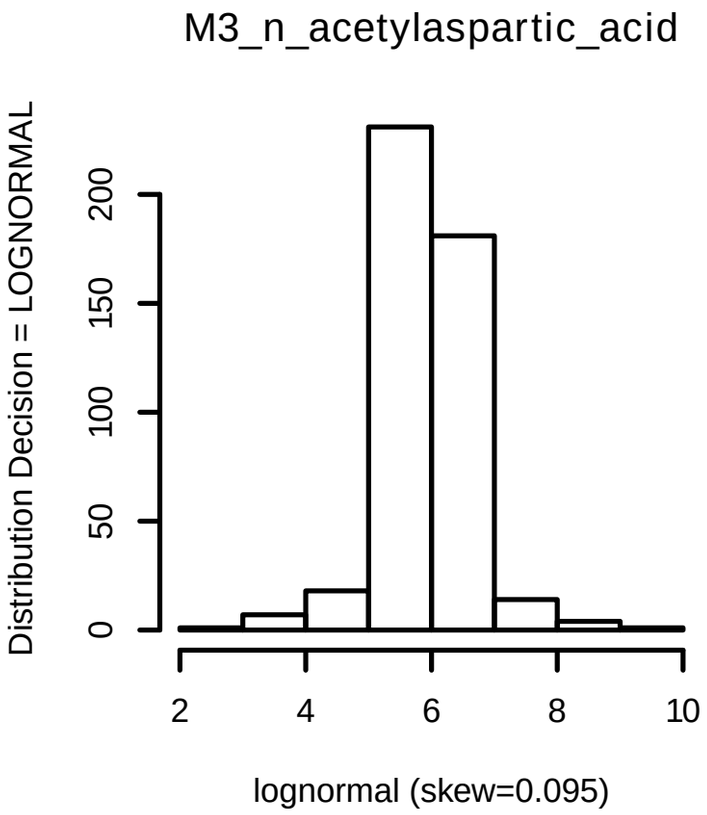

M3__hydroxybutyric_acid
Distribution Decision = NORMAL
0
20
40
60
80
100
0
200
600
1000
1400
normal (skew=0.13)

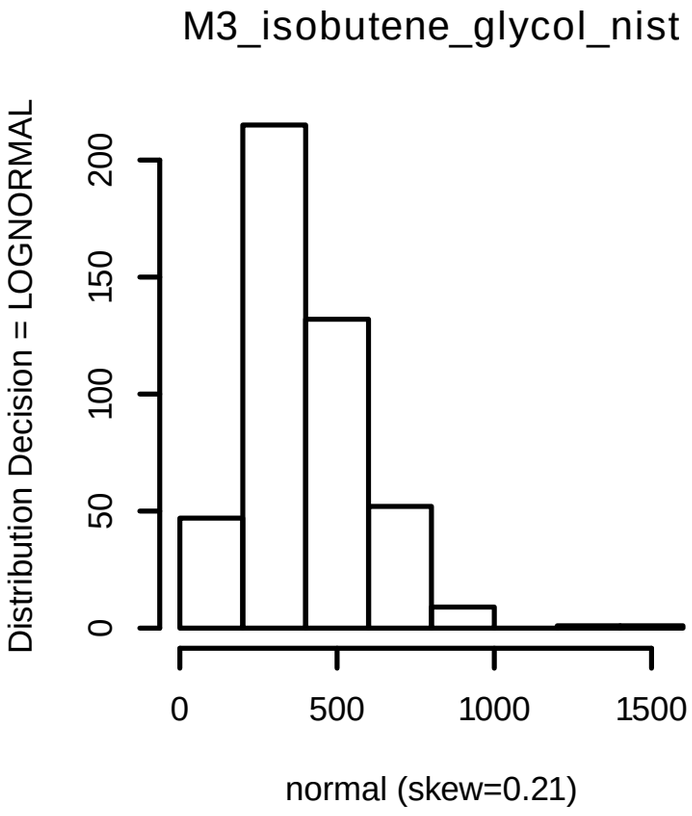

M3__hydroxybutyric_acid
Distribution Decision = NORMAL
0
50
100
150
1
2
3
4
5
6
7
lognormal (skew=0.95)

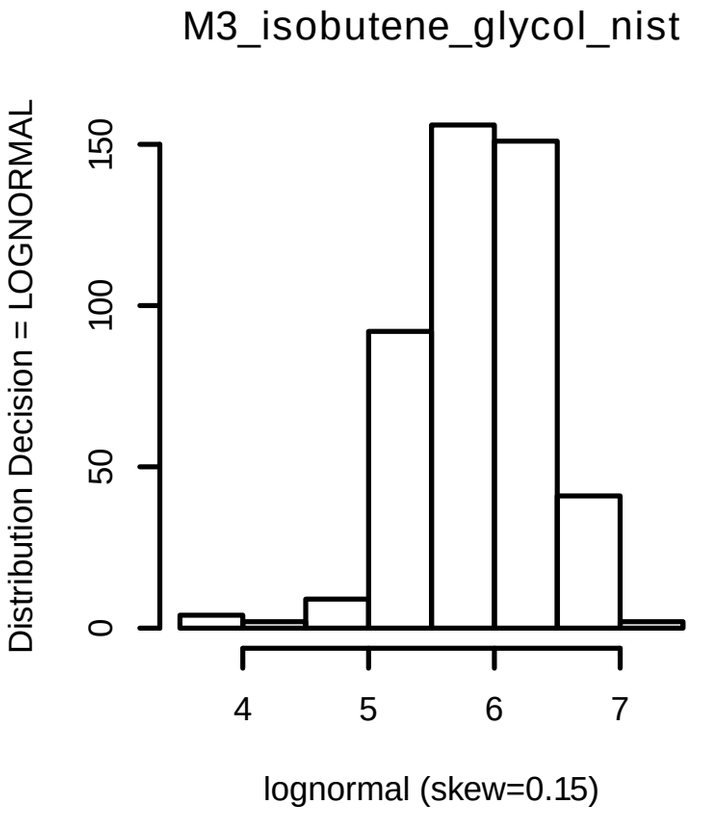

M3__phosphoglycerate
Distribution Decision = NORMAL
0
50
100
200
300
0
1000
3000
5000
normal (skew=0.17)

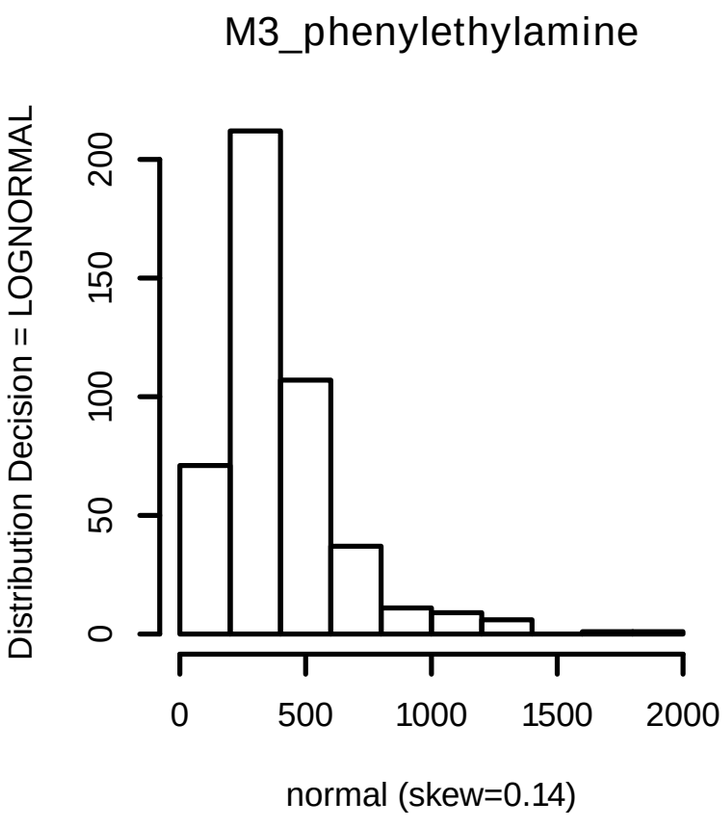

M3__phosphoglycerate
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.5)

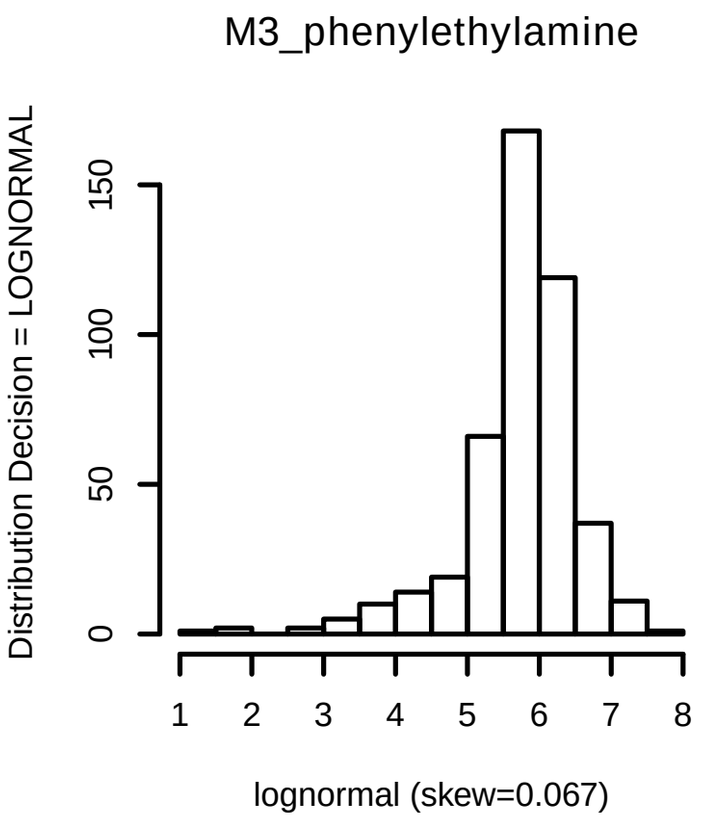

M3_n_acetylaspartic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
normal (skew=1)

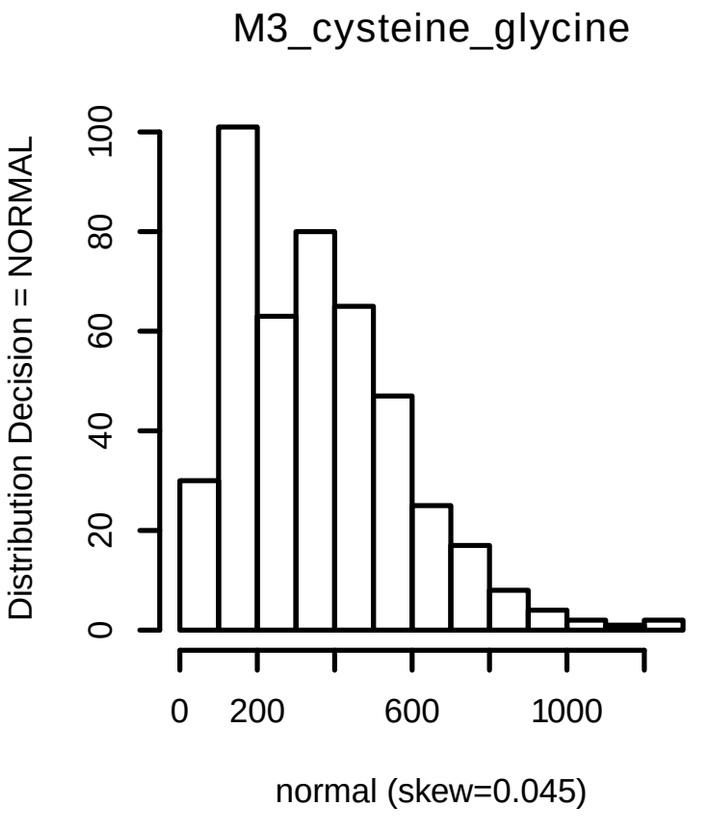

M3_n_acetylaspartic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.095)

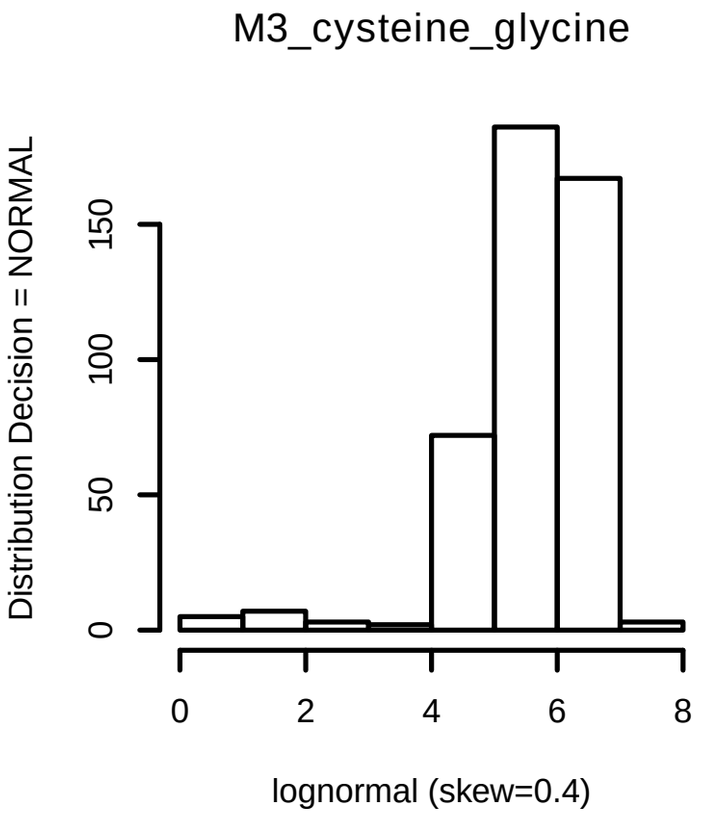

M3_isobutene_glycol_nist
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1000
1500
normal (skew=0.21)

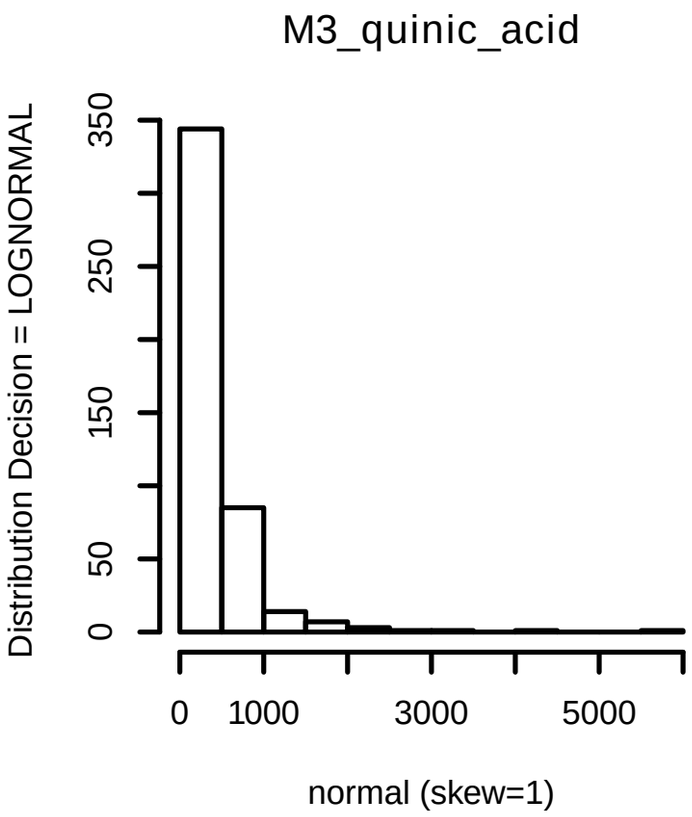

M3_isobutene_glycol_nist
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
lognormal (skew=0.15)

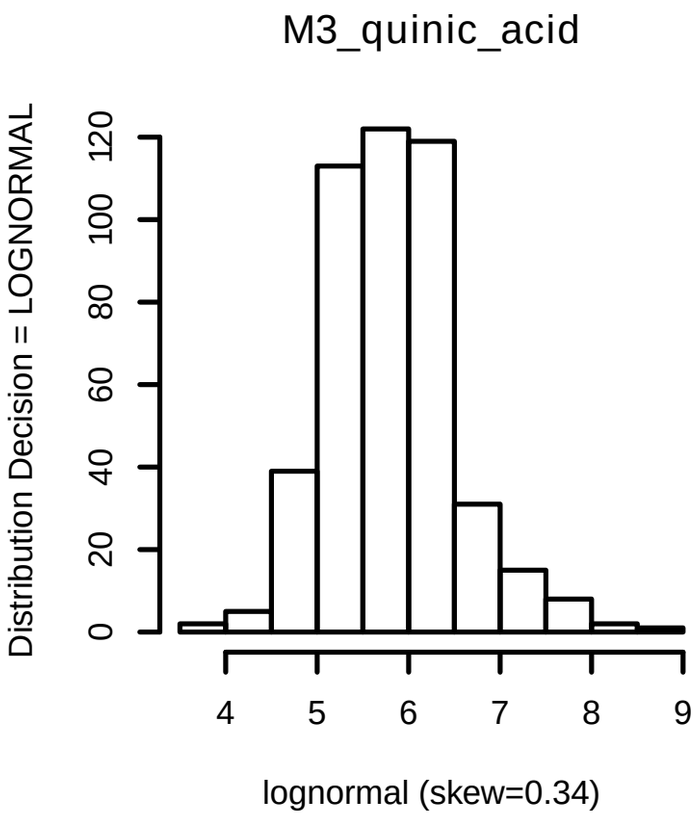

M3_phenylethylamine
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1000
1500
2000
normal (skew=0.14)

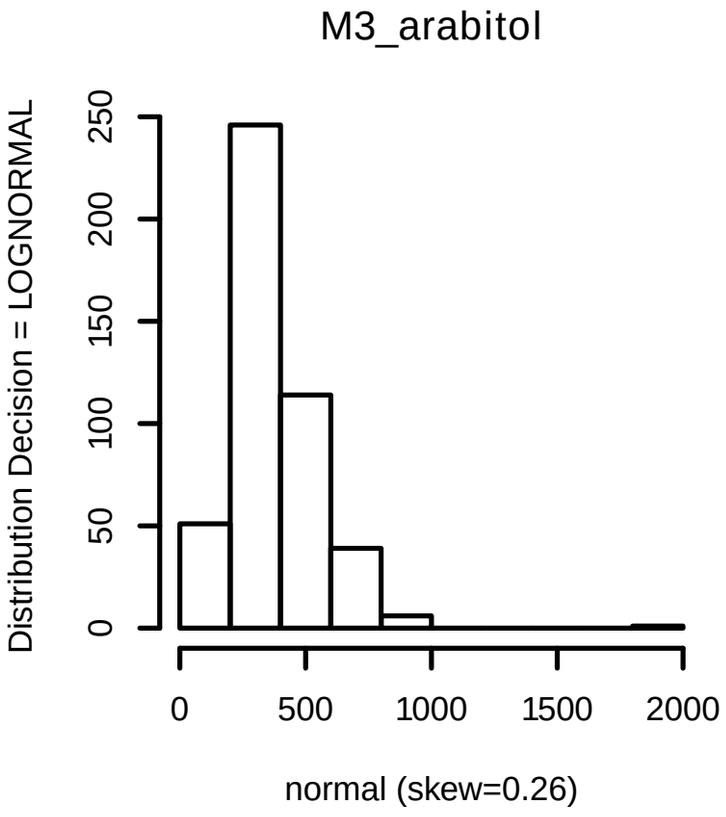

M3_phenylethylamine
Distribution Decision = LOGNORMAL
0
50
100
150
1
2
3
4
5
6
7
8
lognormal (skew=0.067)

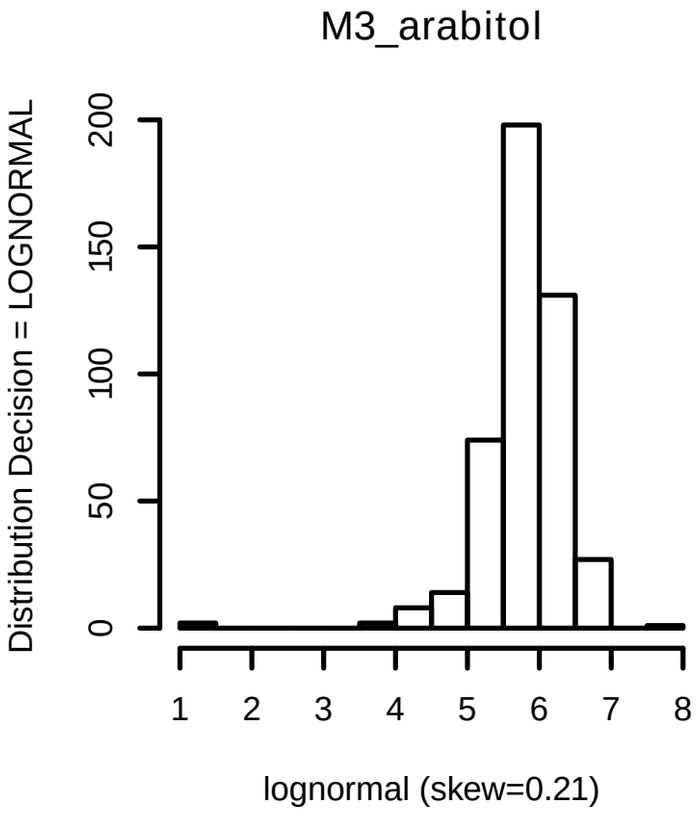

M3_cysteine_glycine
Distribution Decision = NORMAL
0
20
40
60
80
100
0
200
600
1000
normal (skew=0.045)

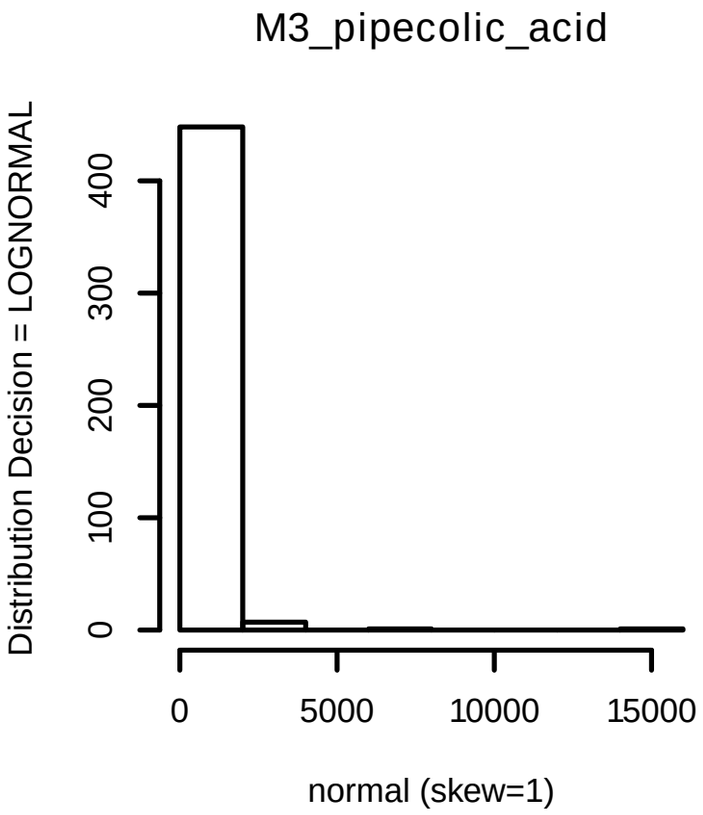

M3_cysteine_glycine
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.4)

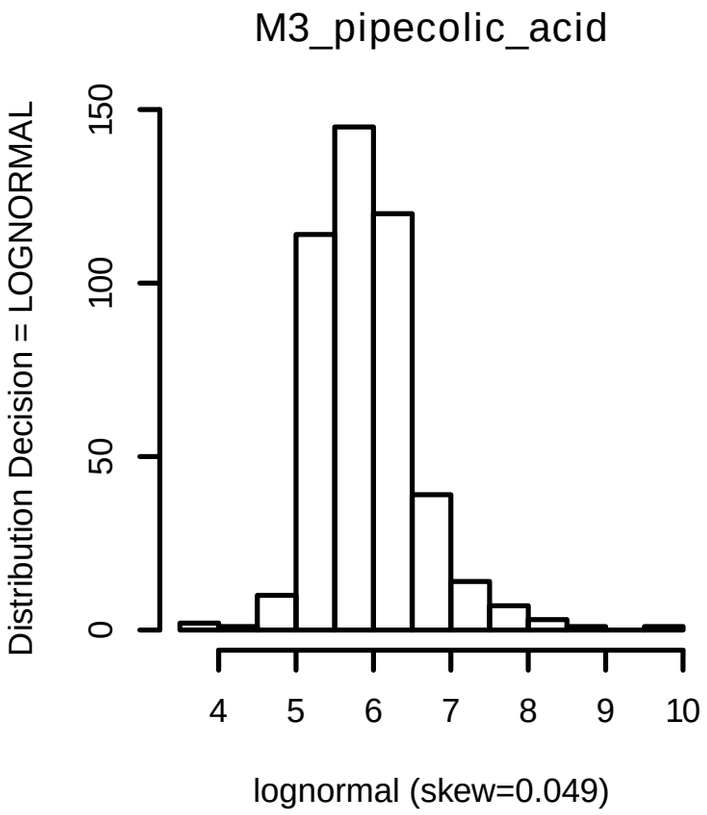

M3_quinic_acid
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
1000
3000
5000
normal (skew=1)

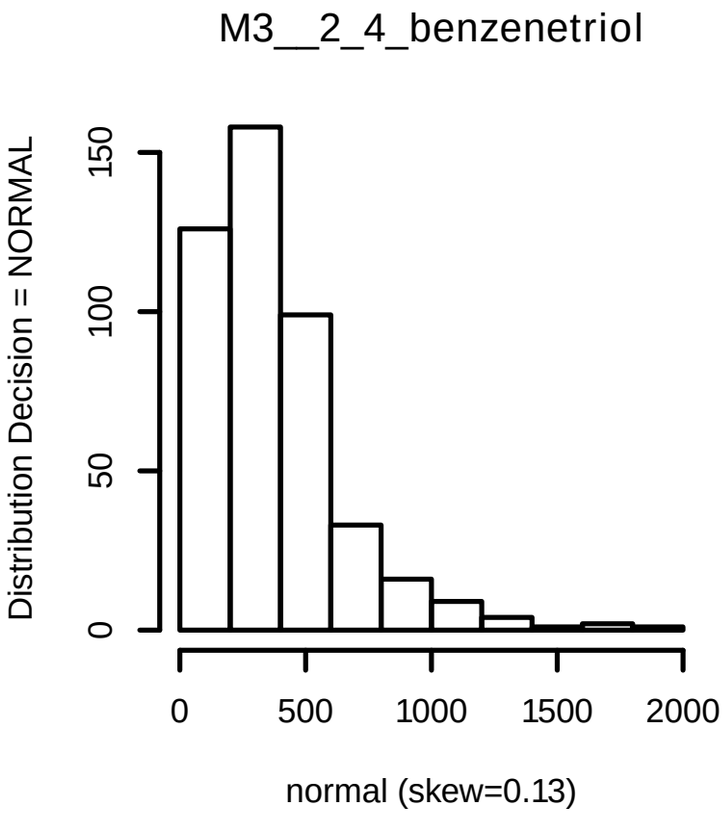

M3_quinic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
4
5
6
7
8
9
lognormal (skew=0.34)

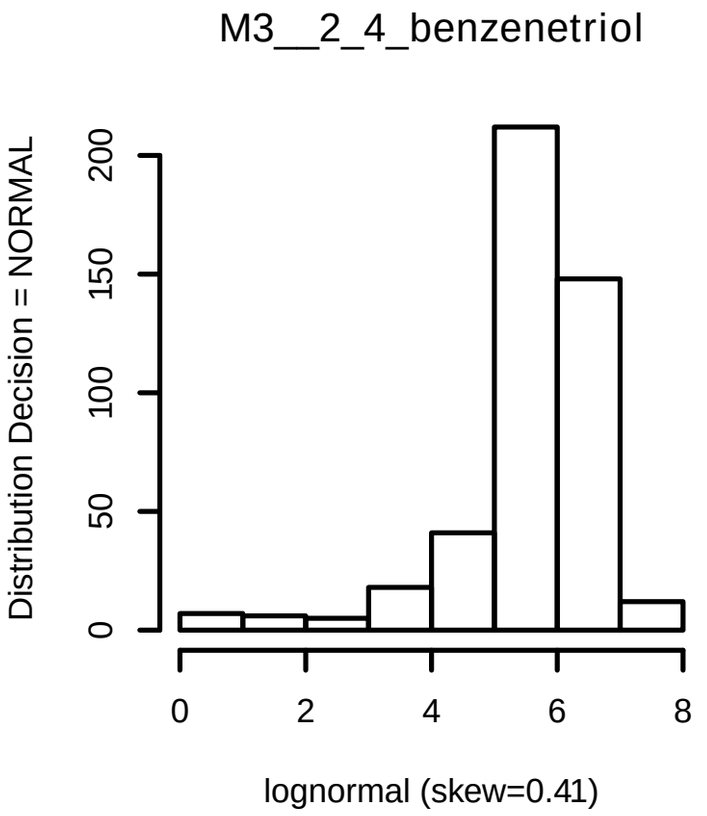

M3_arabitol
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
500
1000
1500
2000
normal (skew=0.26)

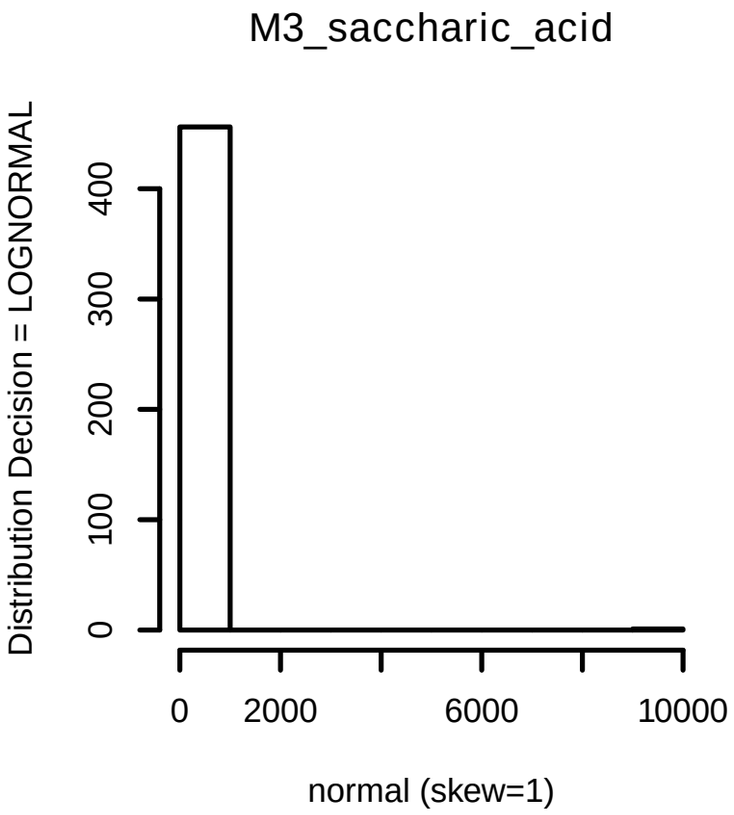

M3_arabitol
Distribution Decision = LOGNORMAL
0
50
100
150
200
1
2
3
4
5
6
7
8
lognormal (skew=0.21)

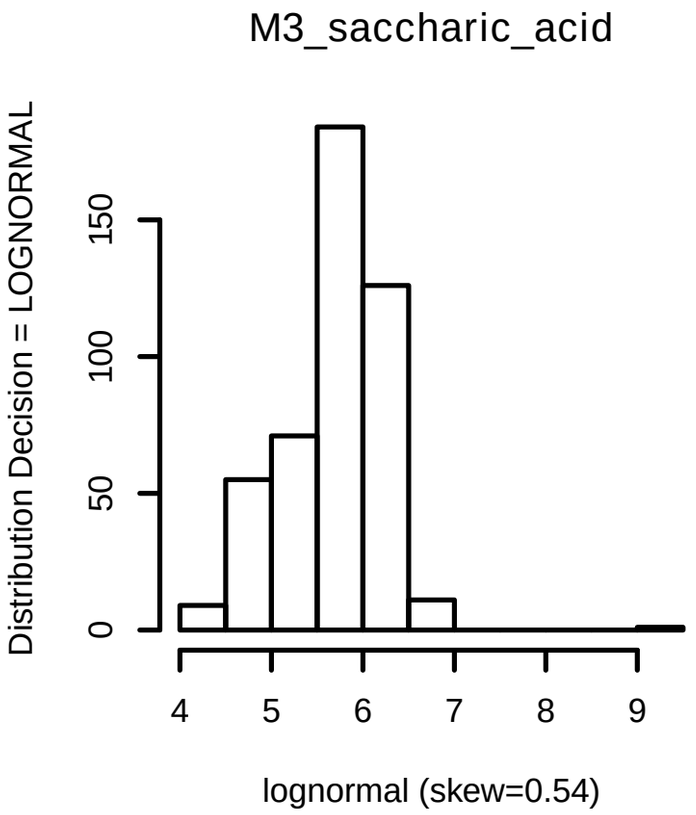

M3_pipecolic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
normal (skew=1)

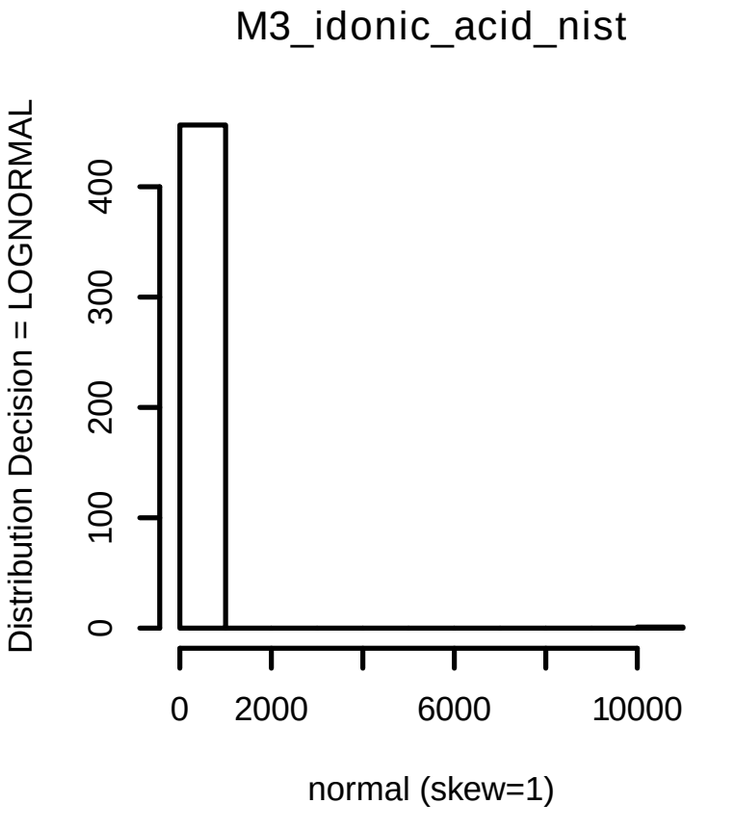

M3_pipecolic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
10
lognormal (skew=0.049)

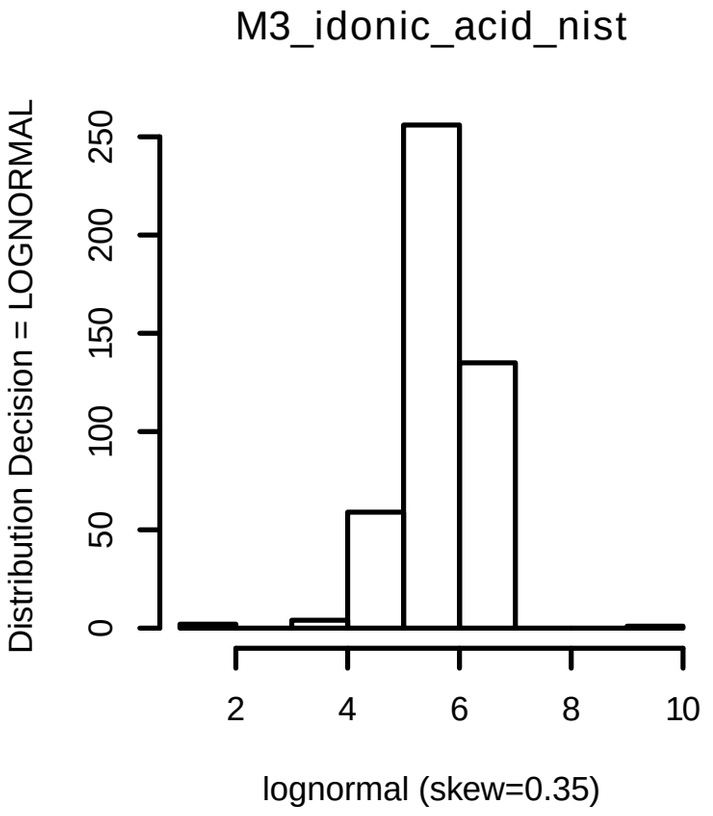

M3__2_4_benzenetriol
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.13)

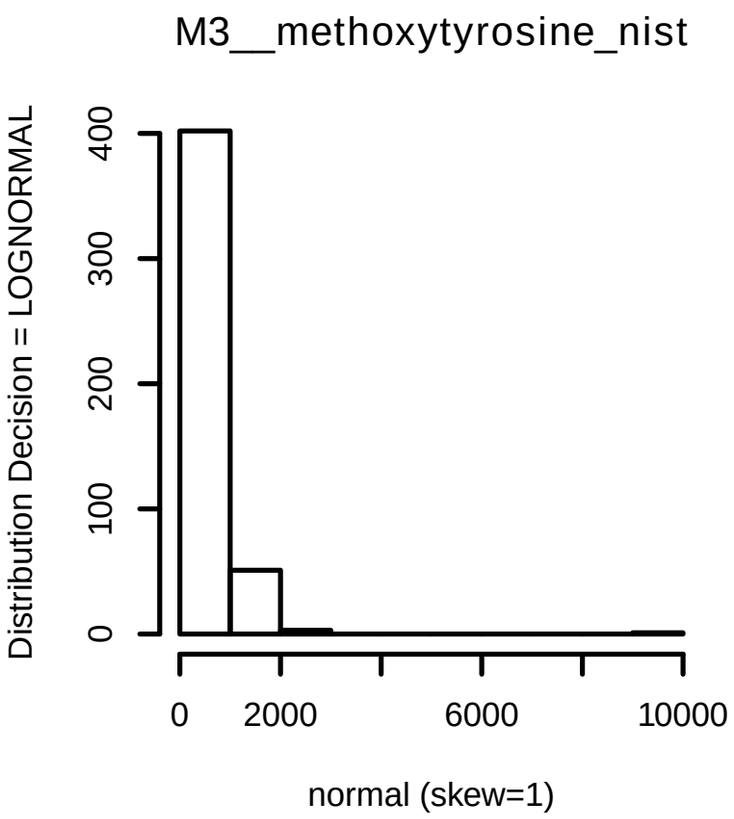

M3__2_4_benzenetriol
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.41)

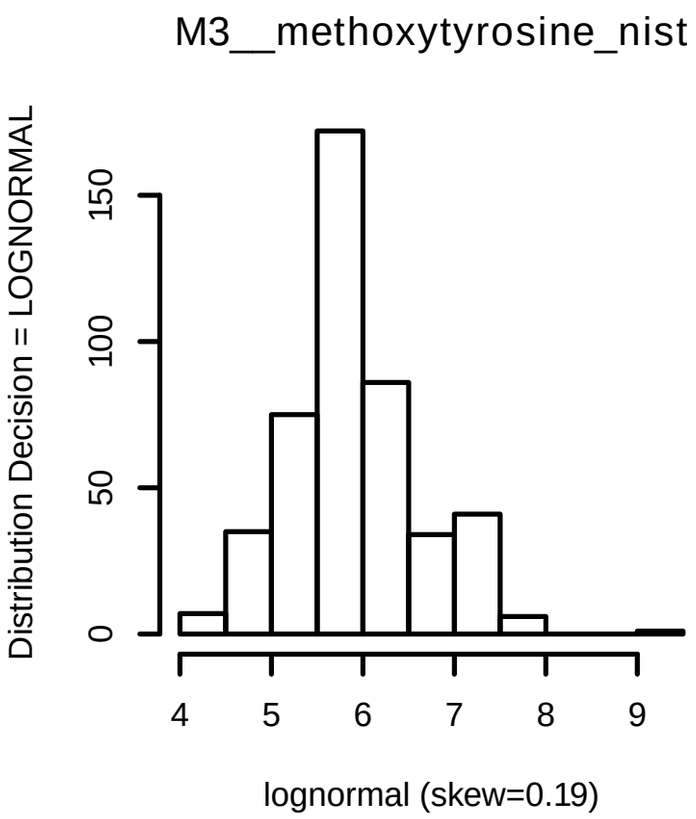

M3_saccharic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

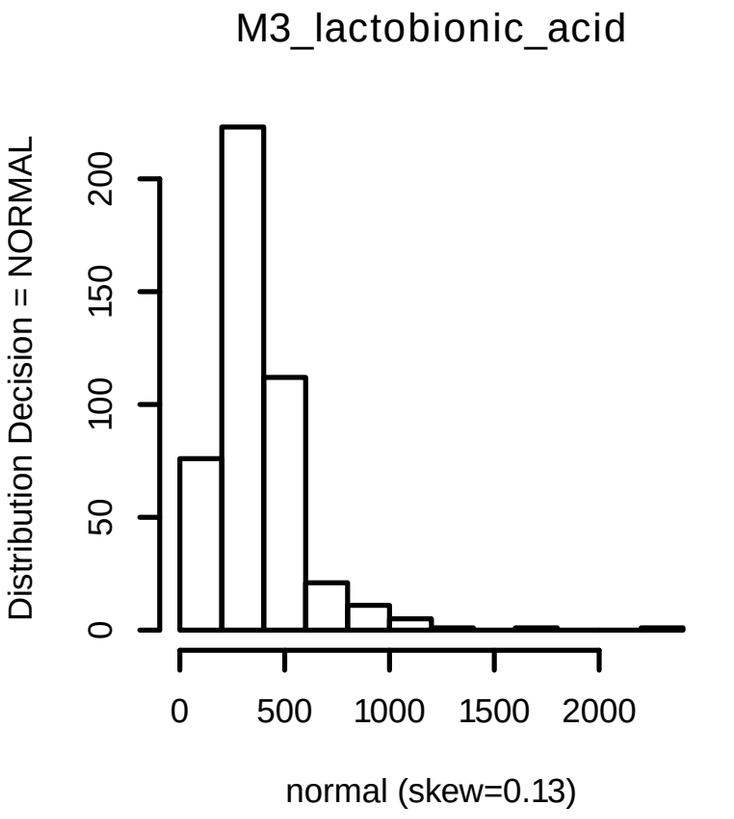

M3_saccharic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
lognormal (skew=0.54)

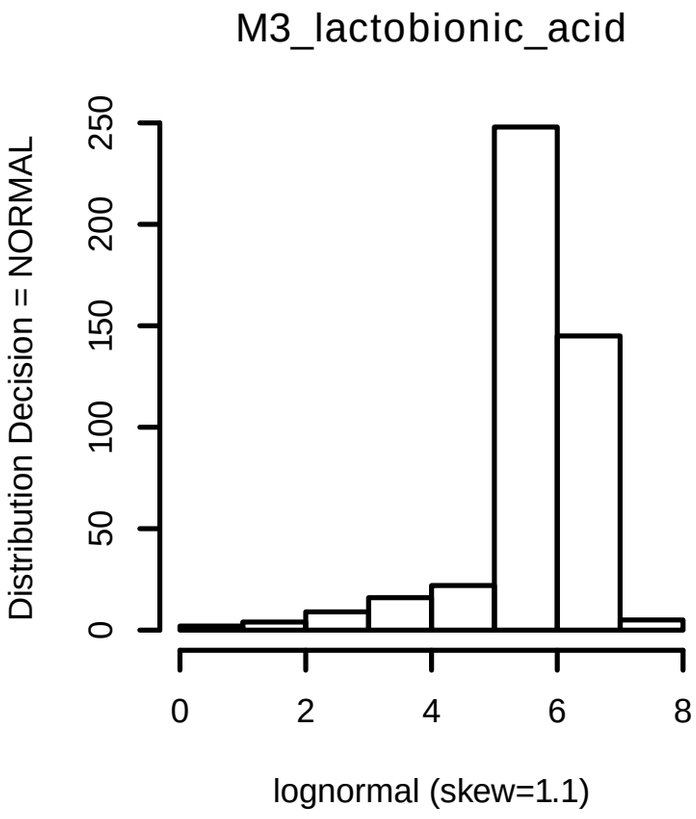

M3_idonic_acid_nist
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

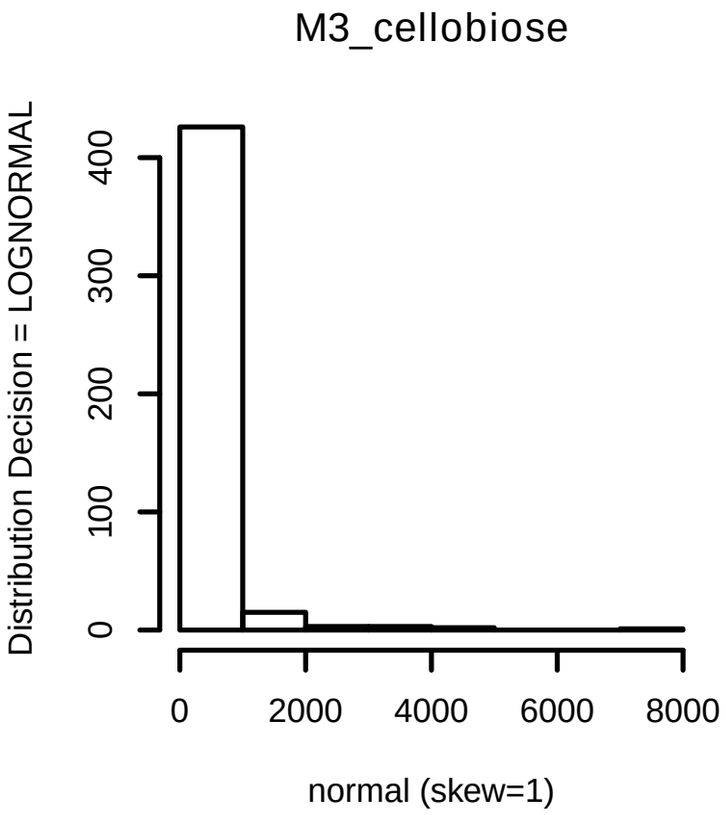

M3_idonic_acid_nist
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
2
4
6
8
10
lognormal (skew=0.35)

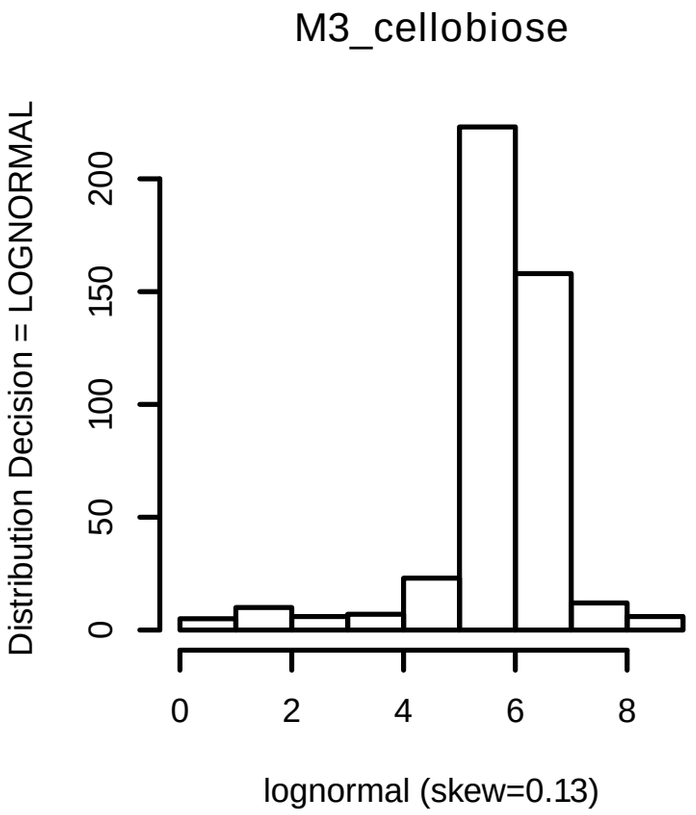

M3__methoxytyrosine_nist
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

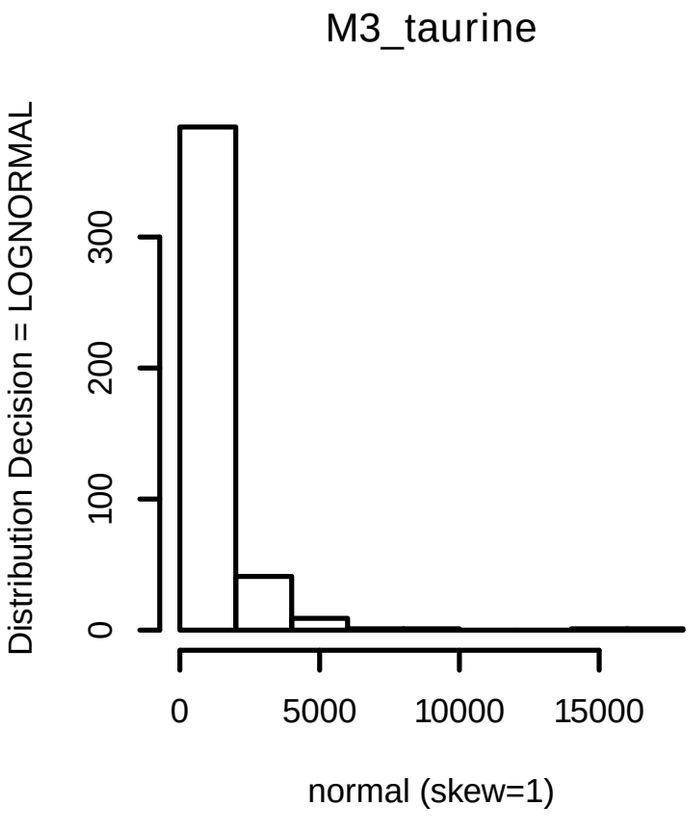

M3__methoxytyrosine_nist
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
lognormal (skew=0.19)

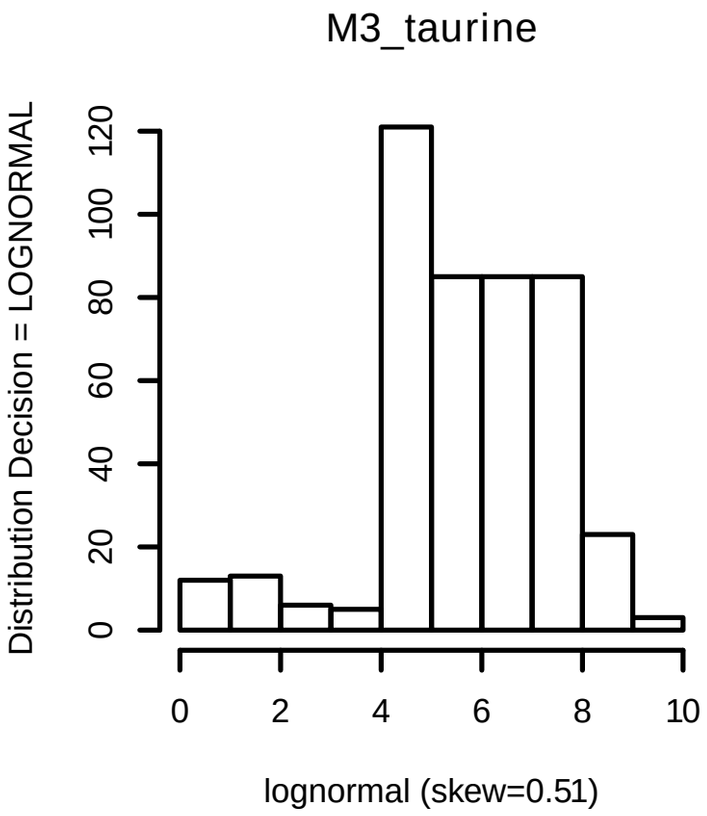

M3_lactobionic_acid
Distribution Decision = NORMAL
0
50
100
150
200
0
500
1000
1500
2000
normal (skew=0.13)

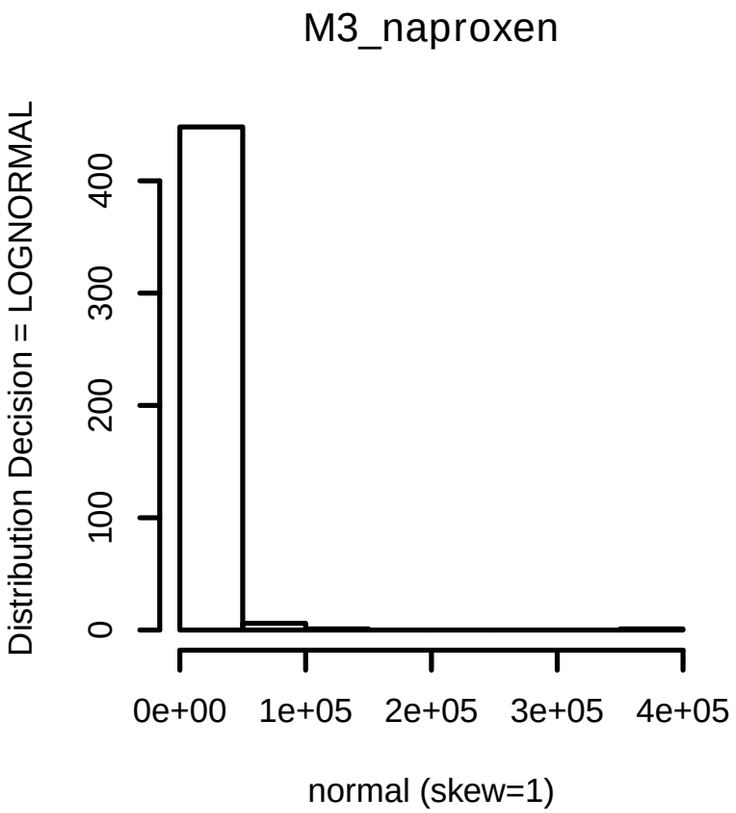

M3_lactobionic_acid
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=1.1)

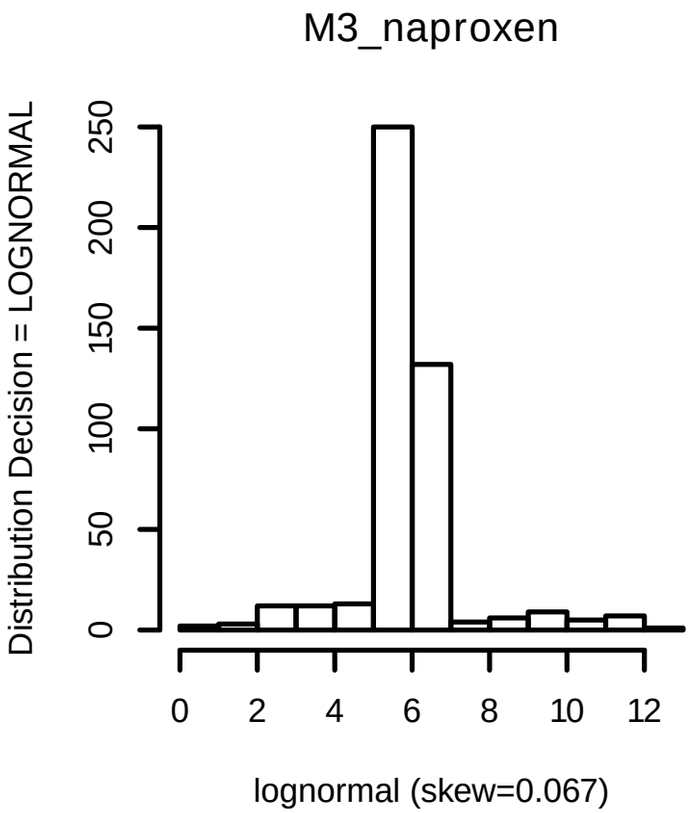

M3_cellobiose
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
4000
6000
8000
normal (skew=1)

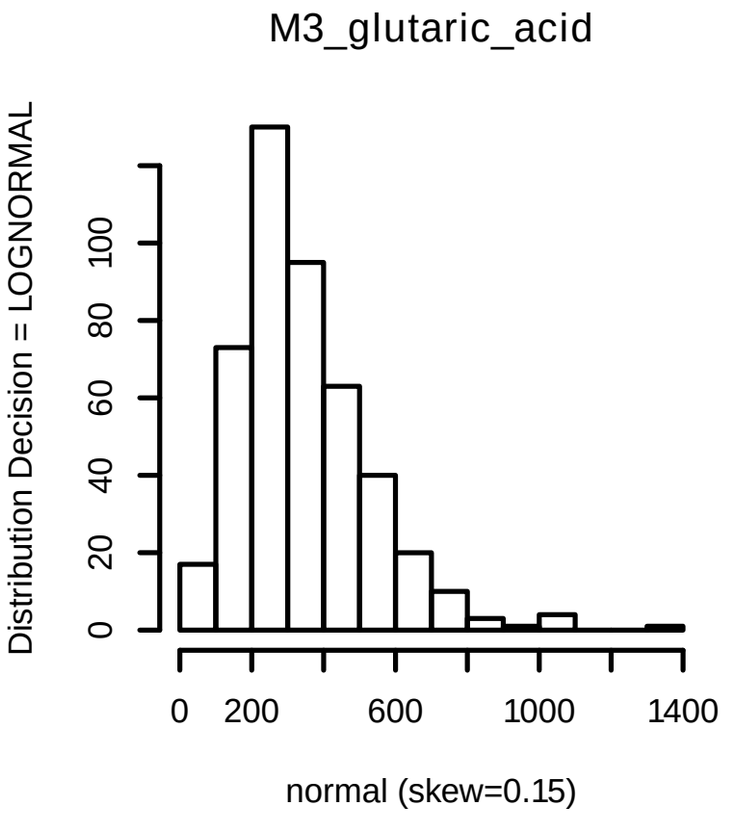

M3_cellobiose
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.13)

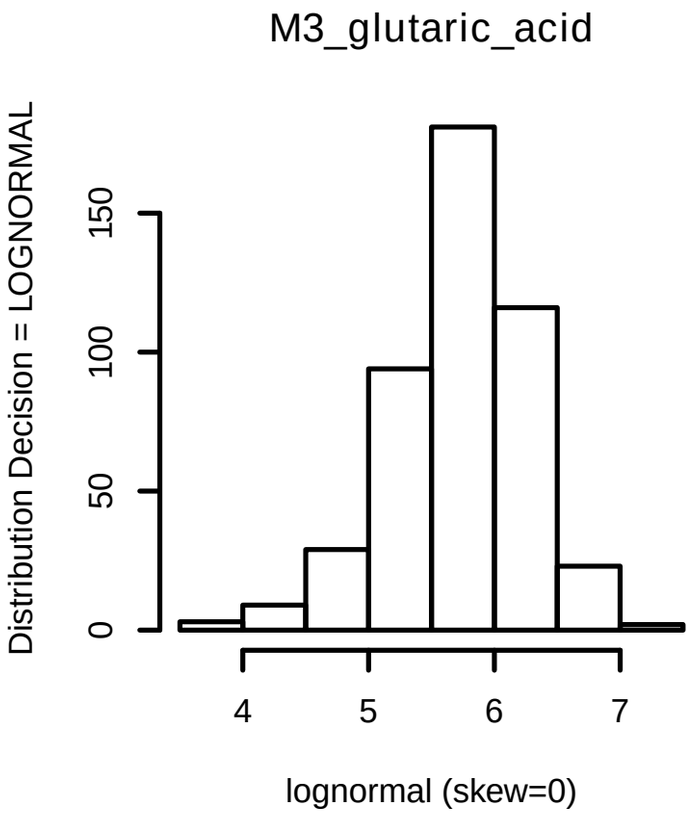

M3_taurine
Distribution Decision = LOGNORMAL
0
100
200
300
0
5000
10000
15000
normal (skew=1)

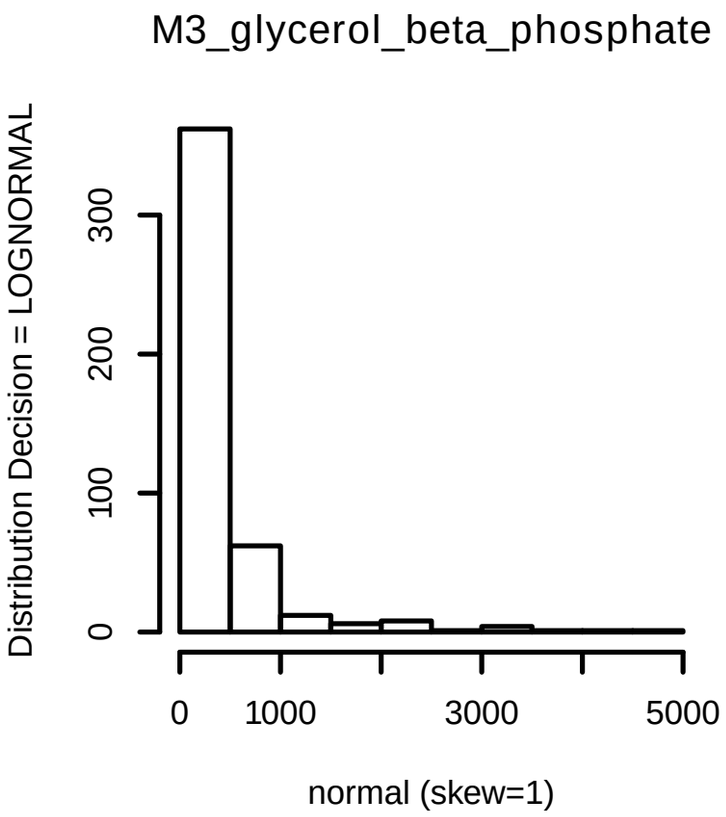

M3_taurine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
2
4
6
8
10
lognormal (skew=0.51)

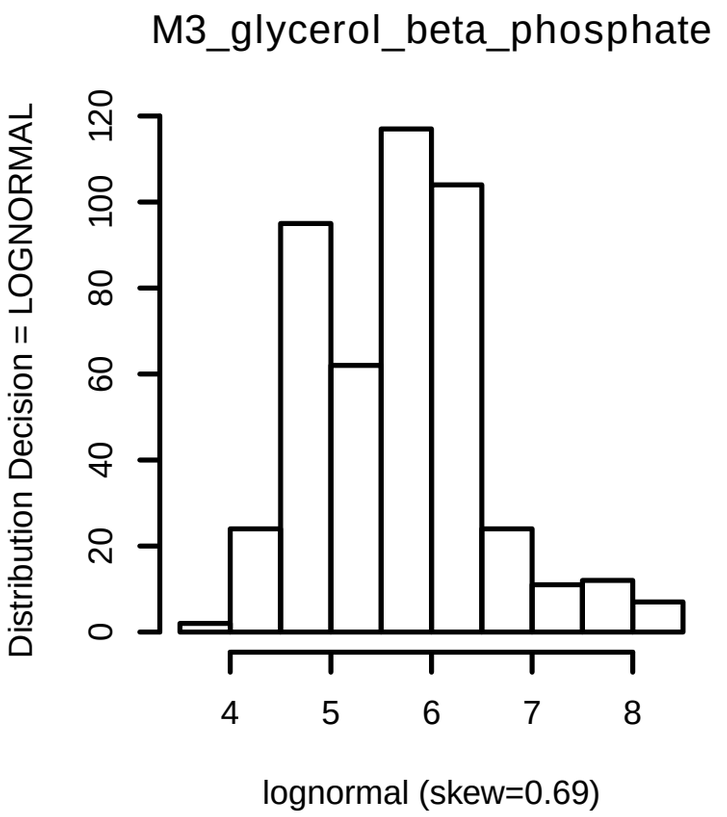

M3_naproxen
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
1e+05
2e+05
3e+05
4e+05
normal (skew=1)

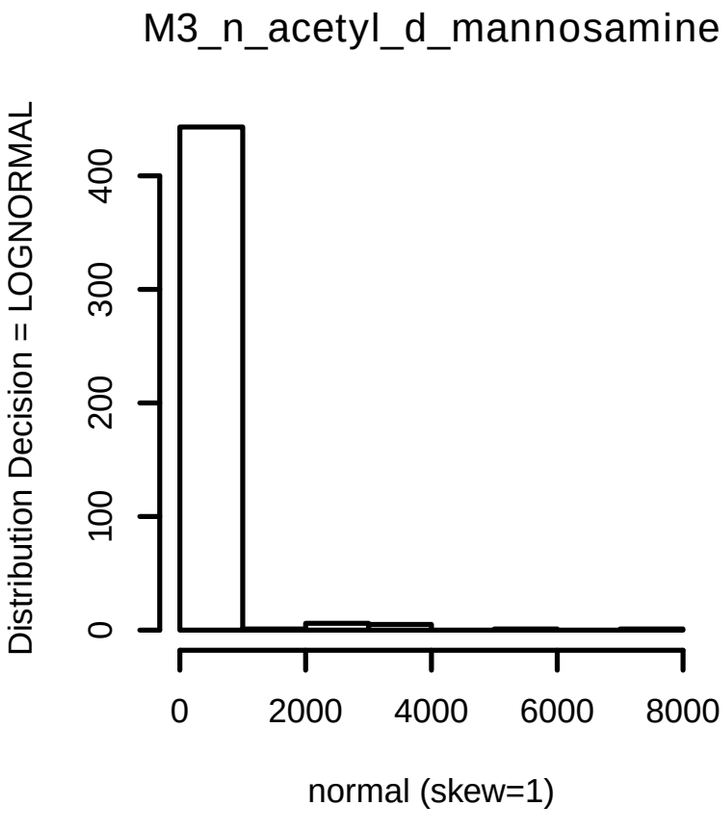

M3_naproxen
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
10
12
lognormal (skew=0.067)

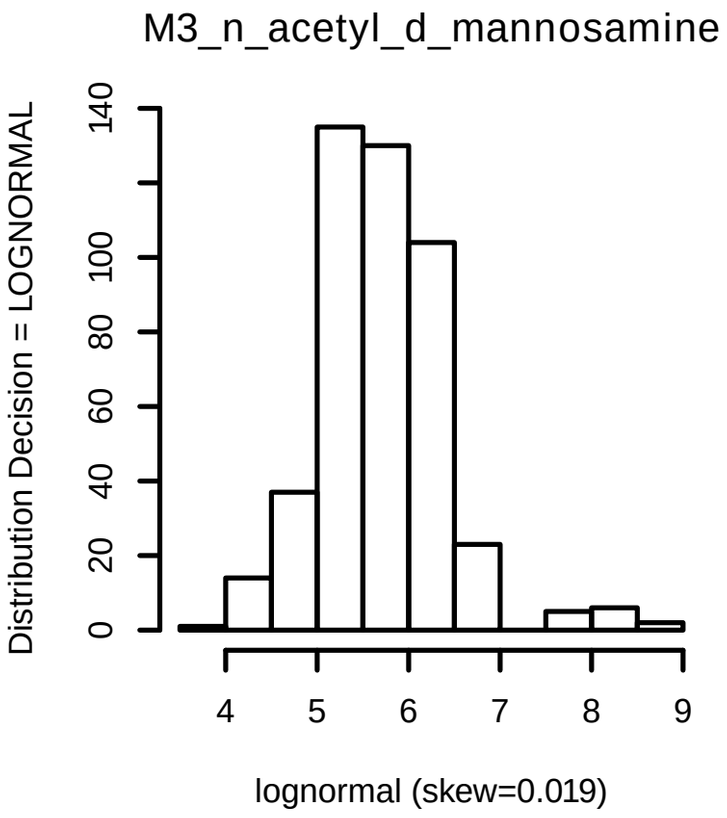

M3_glutaric_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
200
600
1000
1400
normal (skew=0.15)

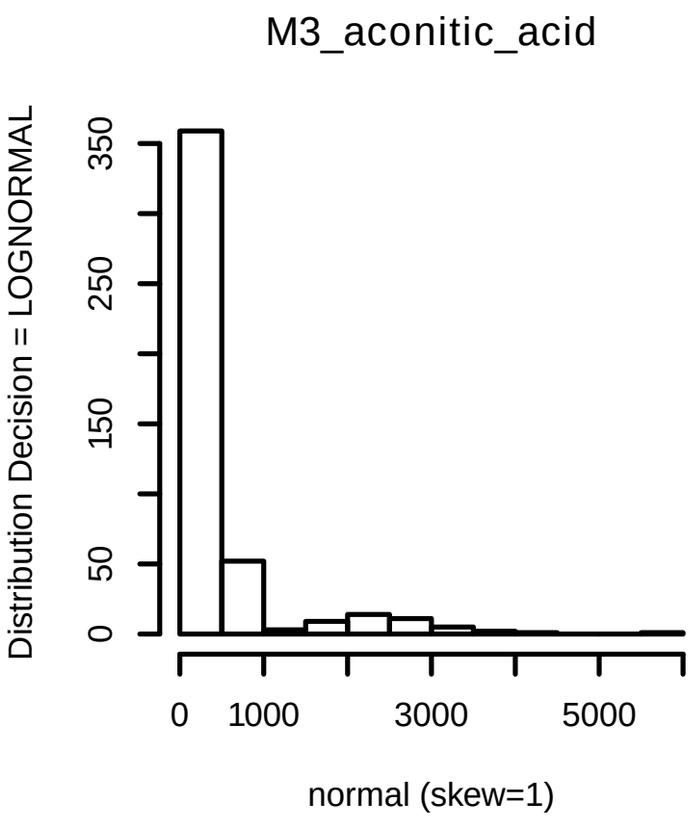

M3_glutaric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
lognormal (skew=0)

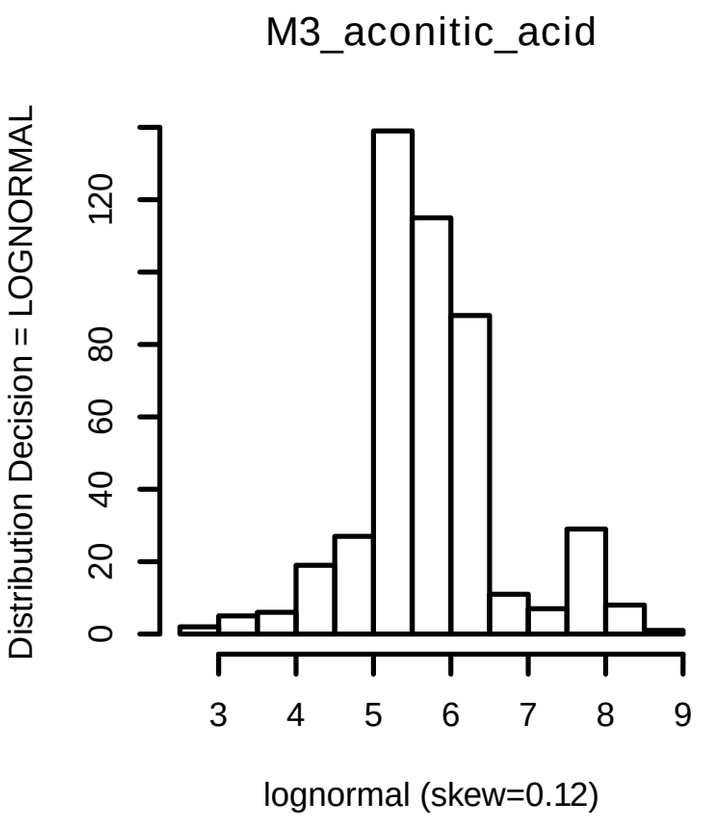

M3_glycerol_beta_phosphate
Distribution Decision = LOGNORMAL
0
100
200
300
0
1000
3000
5000
normal (skew=1)

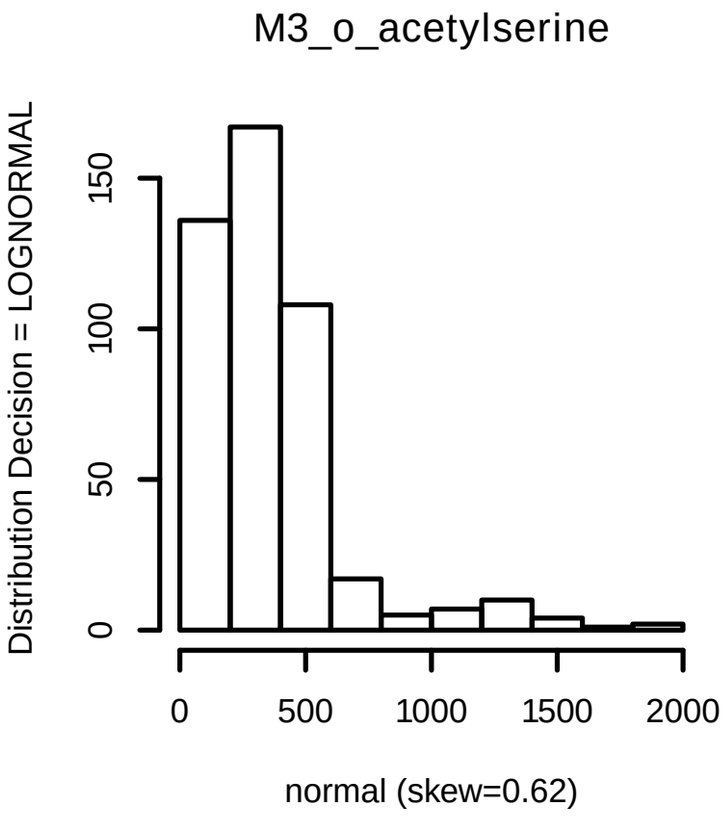

M3_glycerol_beta_phosphate
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
4
5
6
7
8
lognormal (skew=0.69)

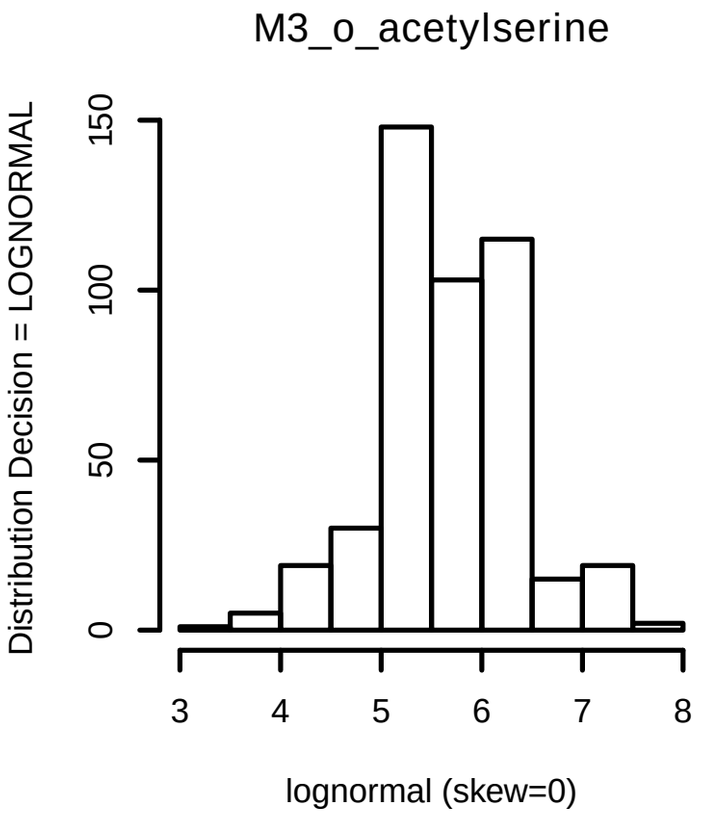

M3_n_acetyl_d_mannosamine
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
4000
6000
8000
normal (skew=1)

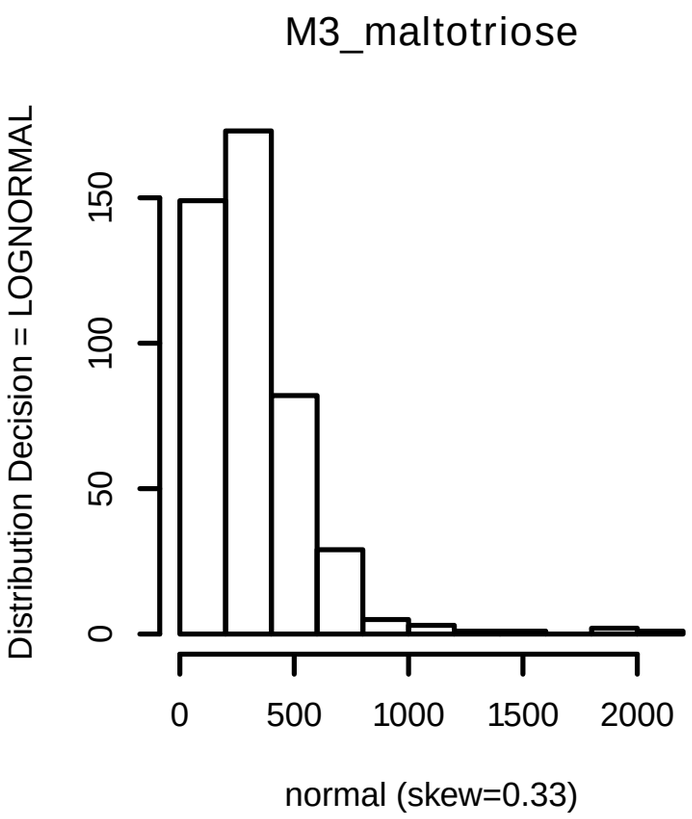

M3_n_acetyl_d_mannosamine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
4
5
6
7
8
9
lognormal (skew=0.019)

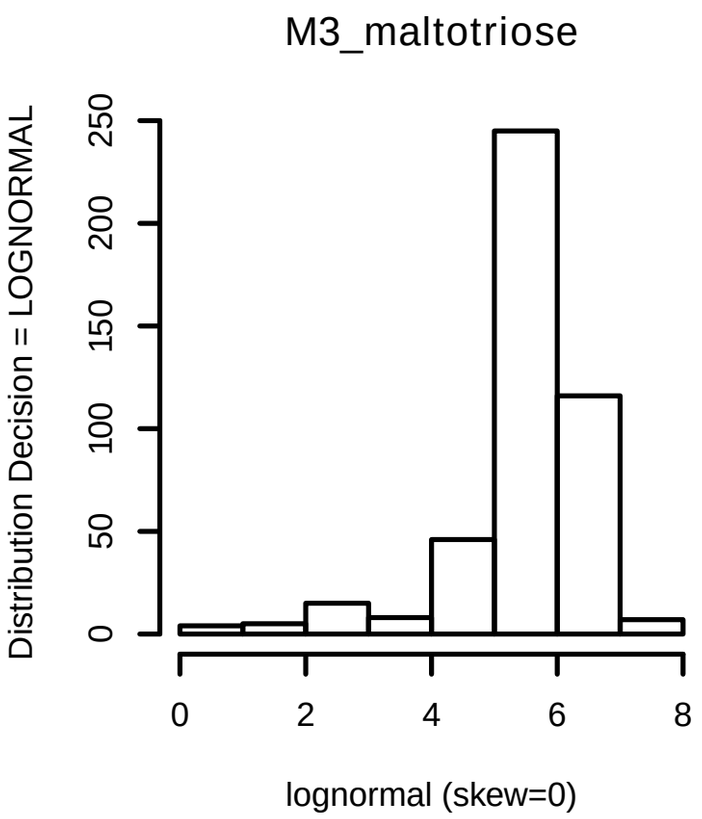

M3_aconitic_acid
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
1000
3000
5000
normal (skew=1)

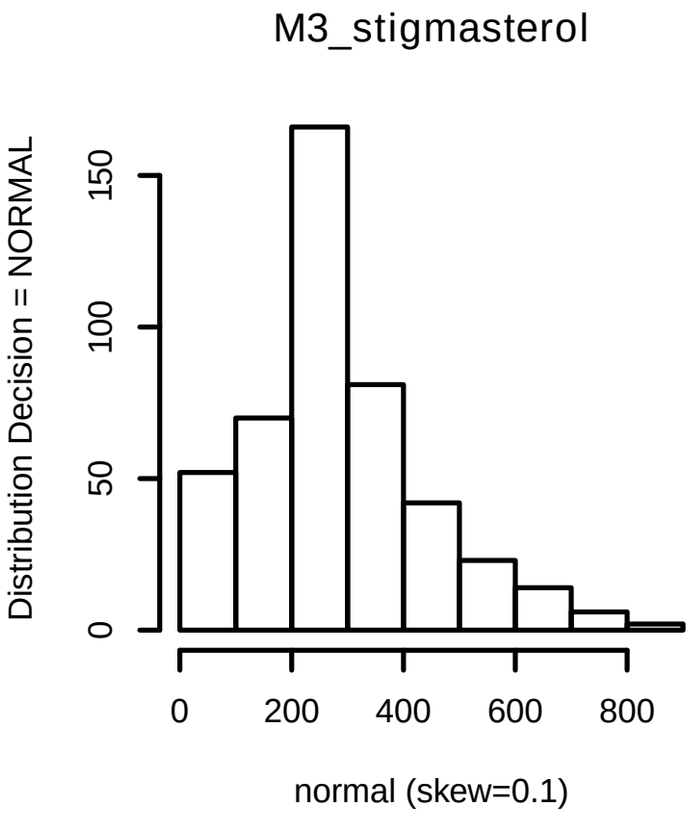

M3_aconitic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
3
4
5
6
7
8
9
lognormal (skew=0.12)

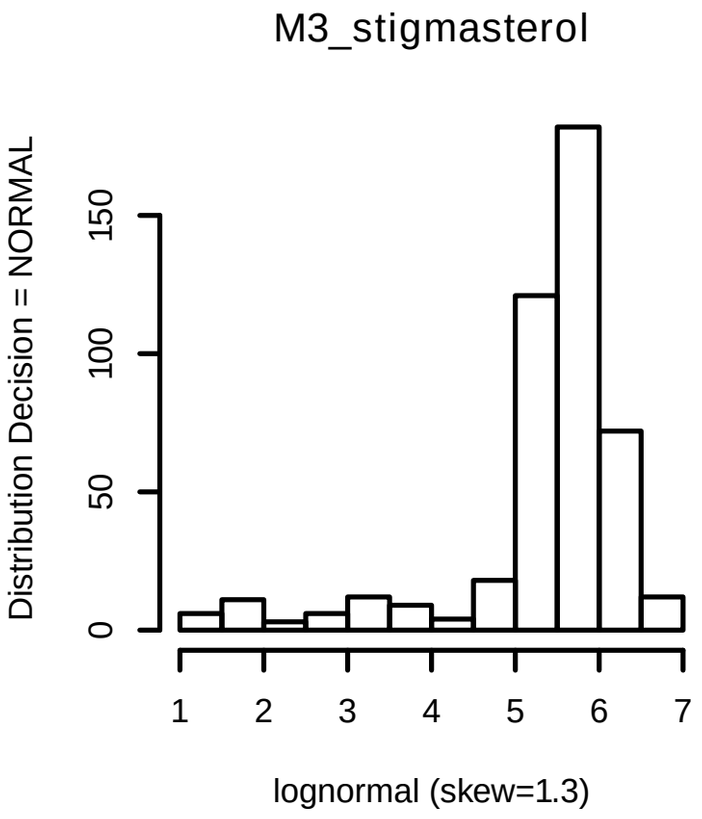

M3_o_acetylserine
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.62)

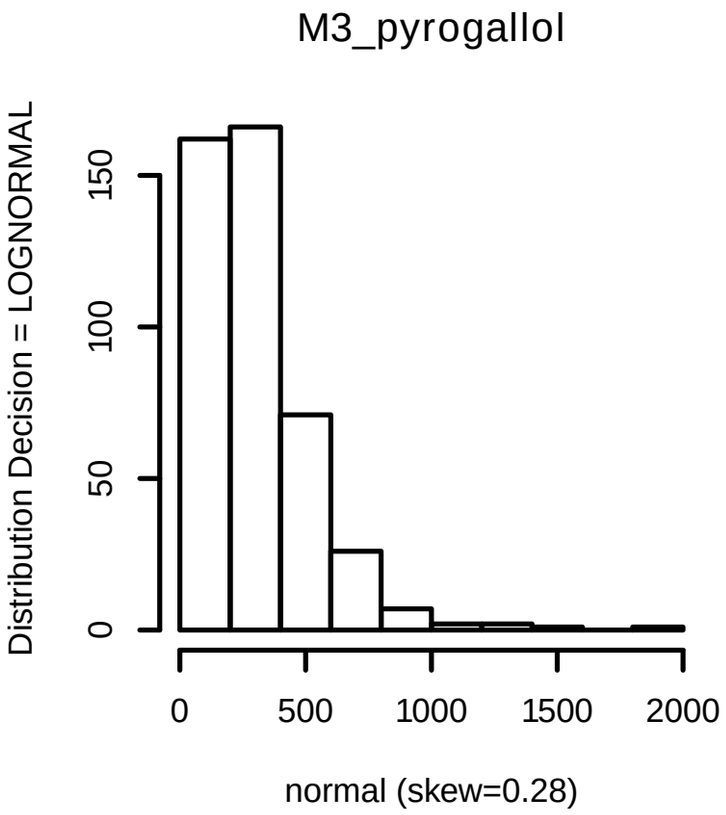

M3_o_acetylserine
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0)

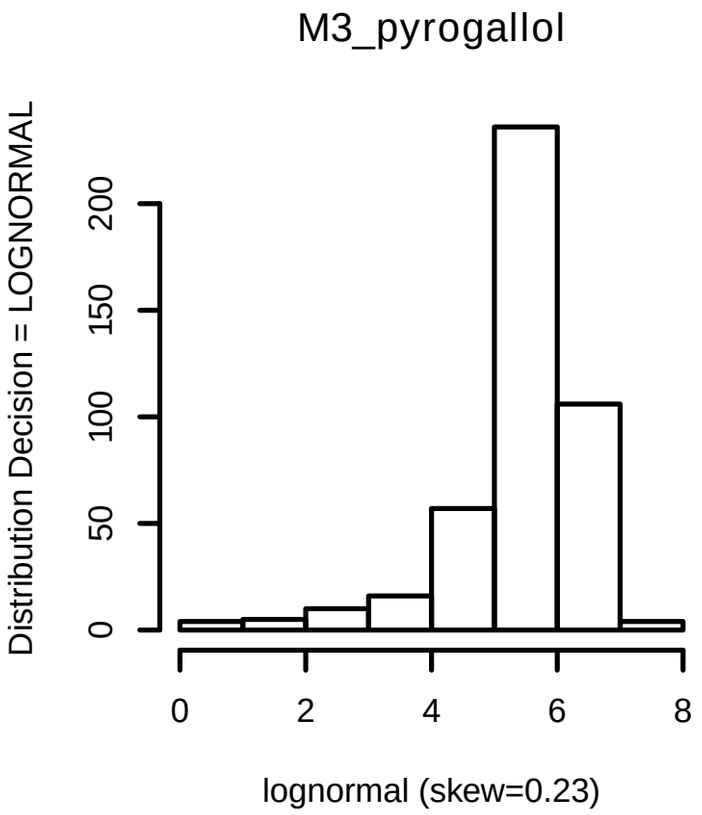

M3_maltotriose
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.33)

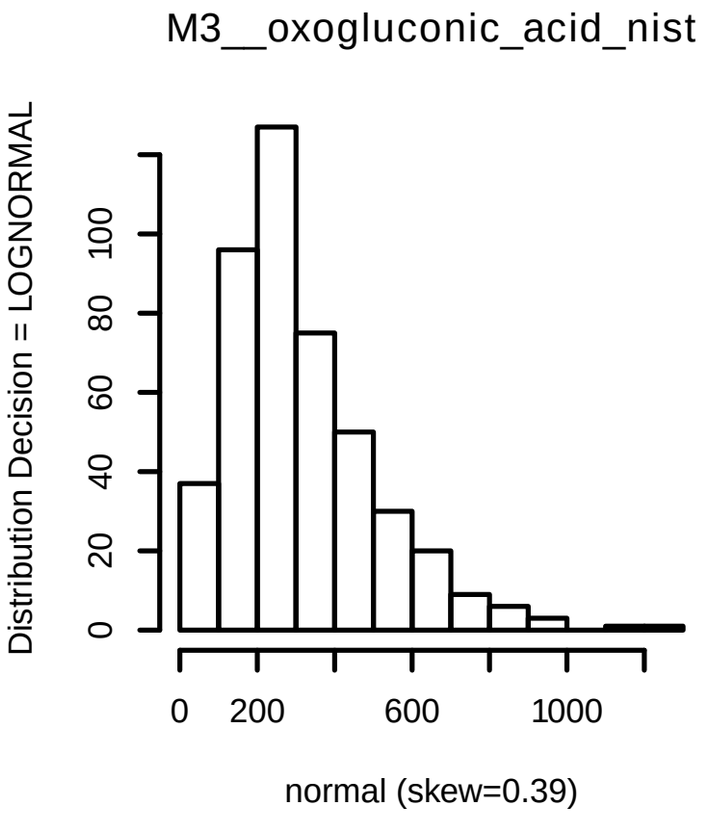

M3_maltotriose
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0)

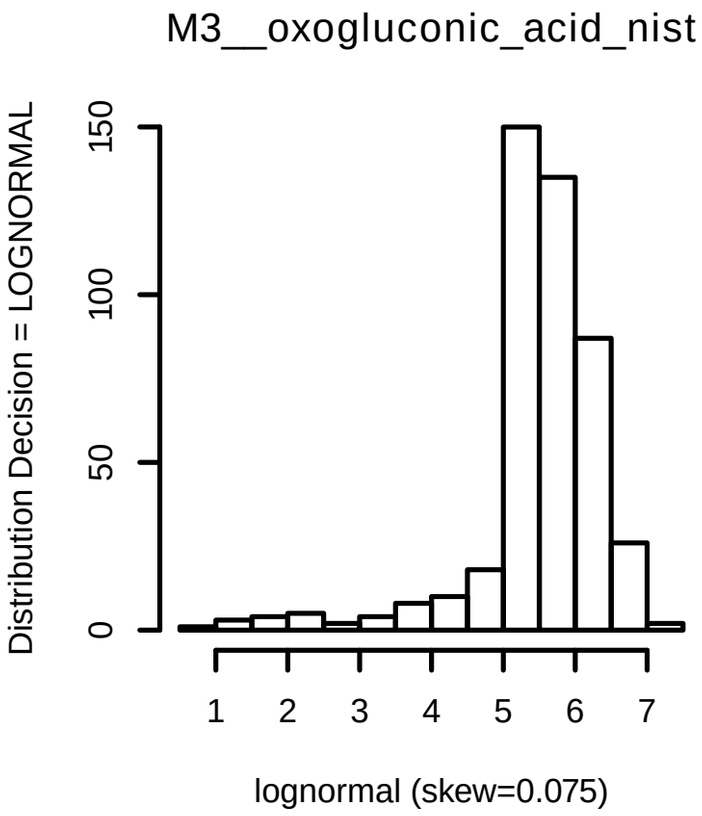

M3_stigmasterol
Distribution Decision = NORMAL
0
50
100
150
0
200
400
600
800
normal (skew=0.1)

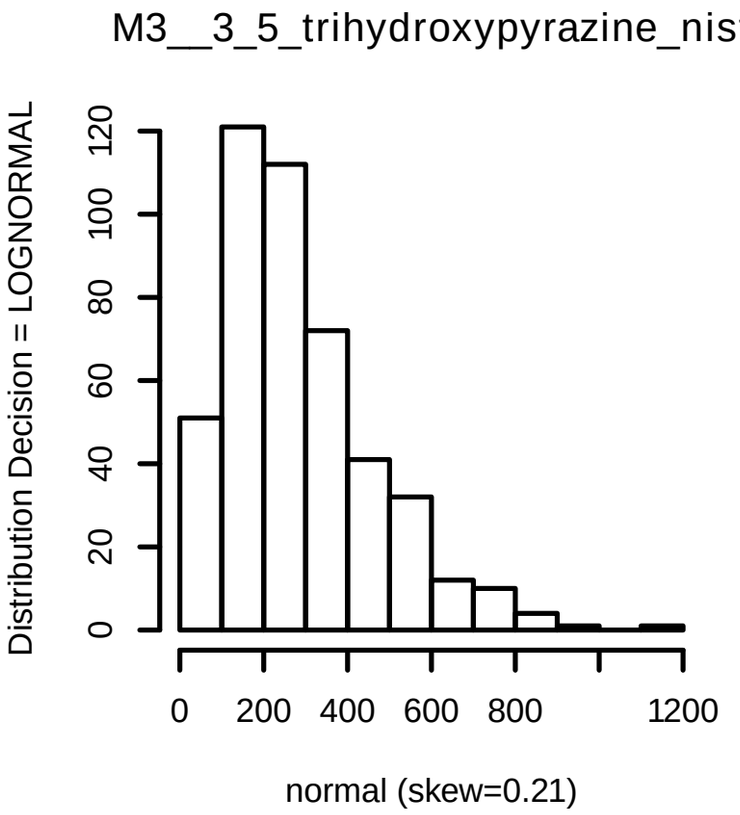

M3_stigmasterol
Distribution Decision = NORMAL
0
50
100
150
1
2
3
4
5
6
7
lognormal (skew=1.3)

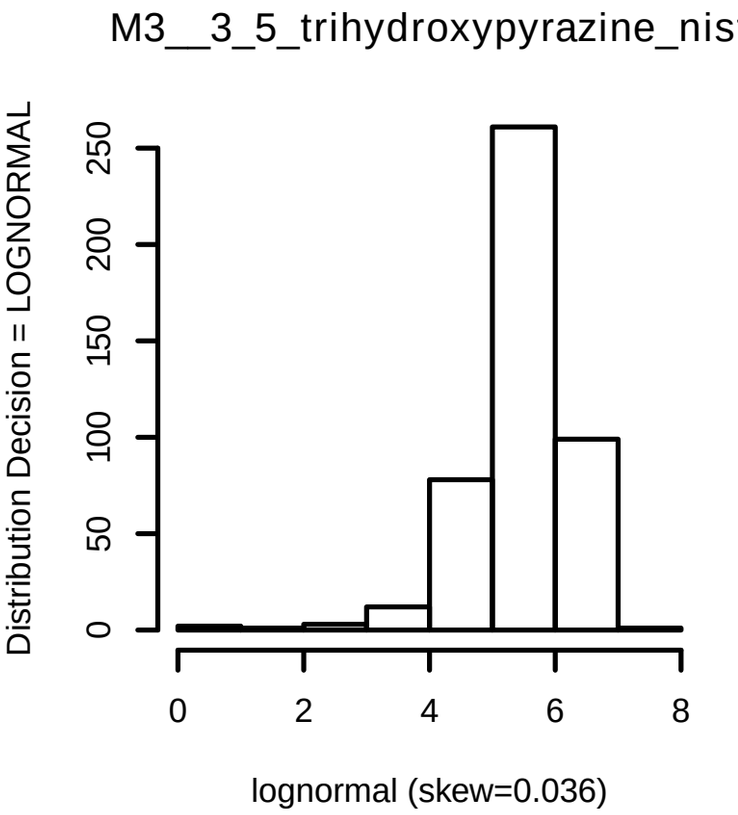

M3_pyrogallol
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.28)

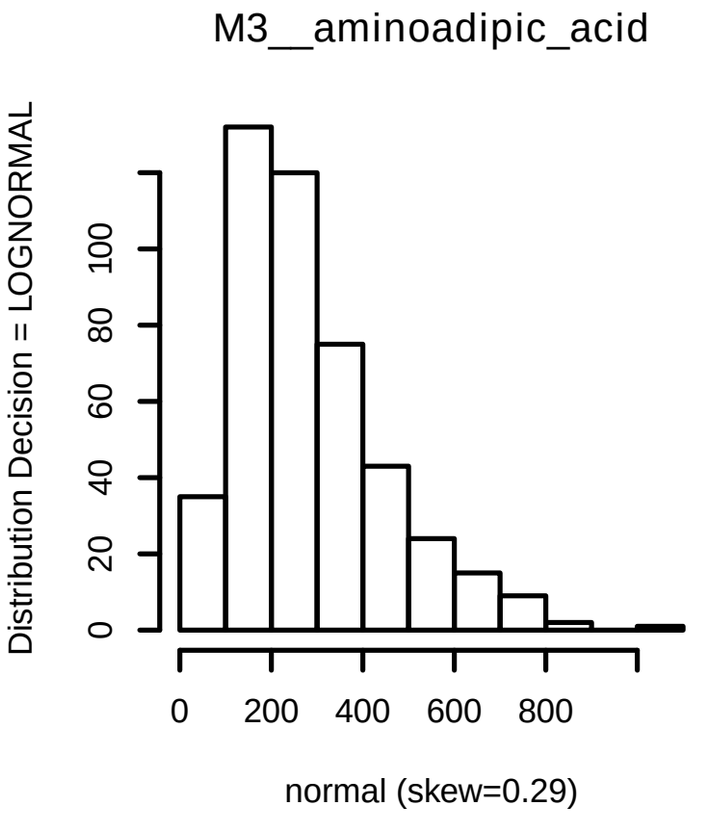

M3_pyrogallol
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.23)

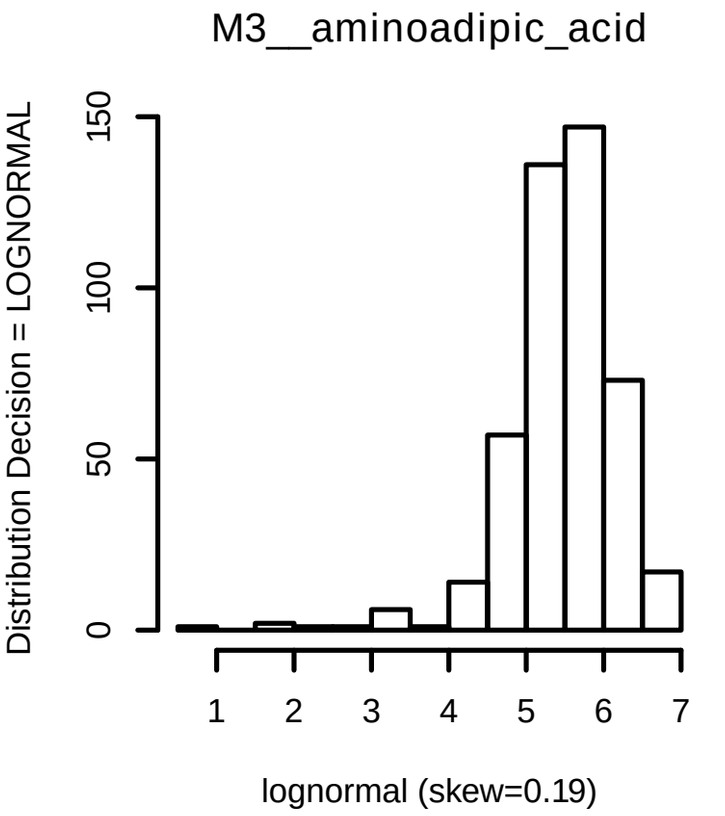

M3__oxogluconic_acid_nist
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
200
600
1000
normal (skew=0.39)

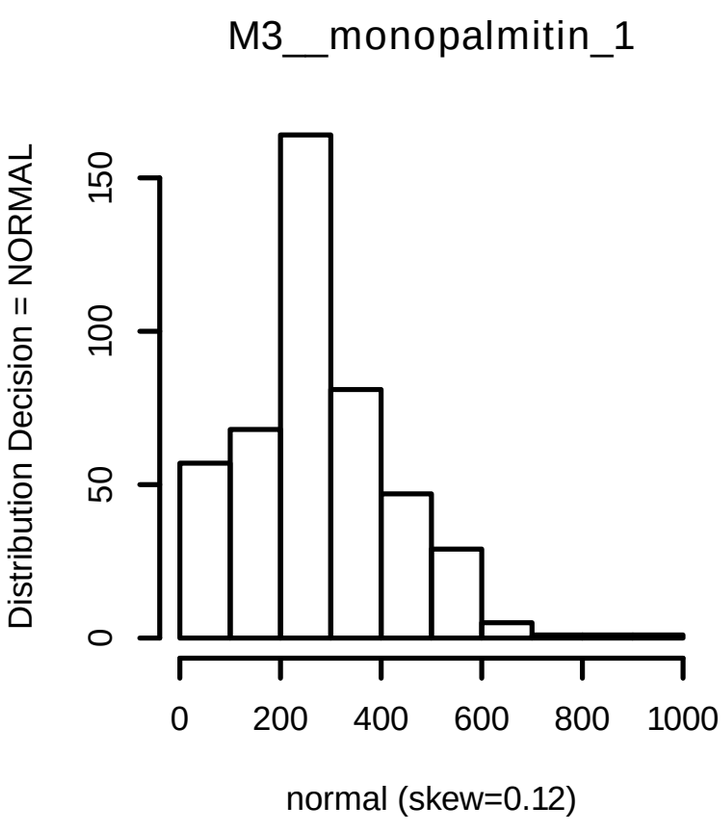

M3__oxogluconic_acid_nist
Distribution Decision = LOGNORMAL
0
50
100
150
1
2
3
4
5
6
7
lognormal (skew=0.075)

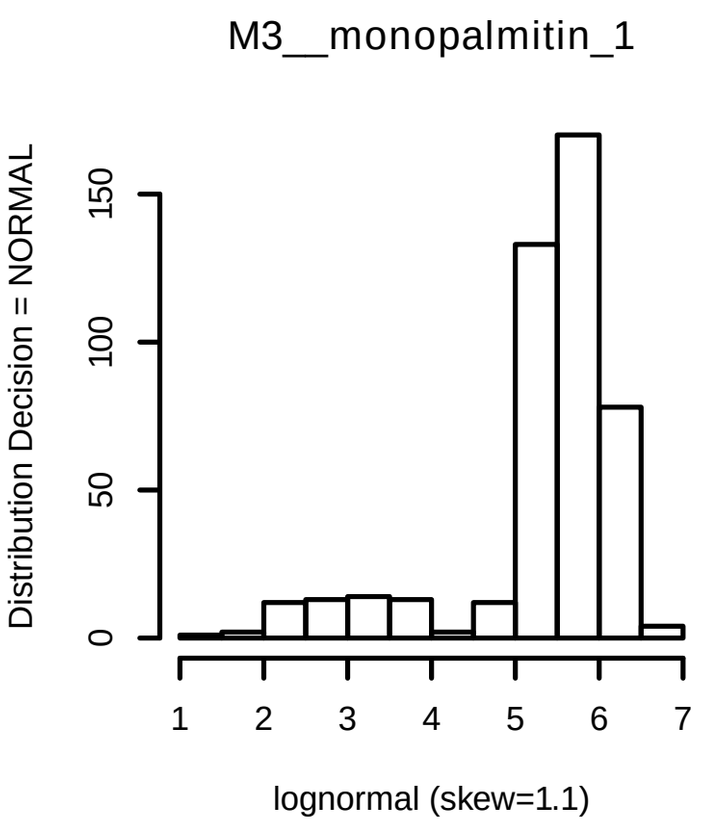

M3__3_5_trihydroxypyrazine_nist
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
200
400
600
800
1200
normal (skew=0.21)

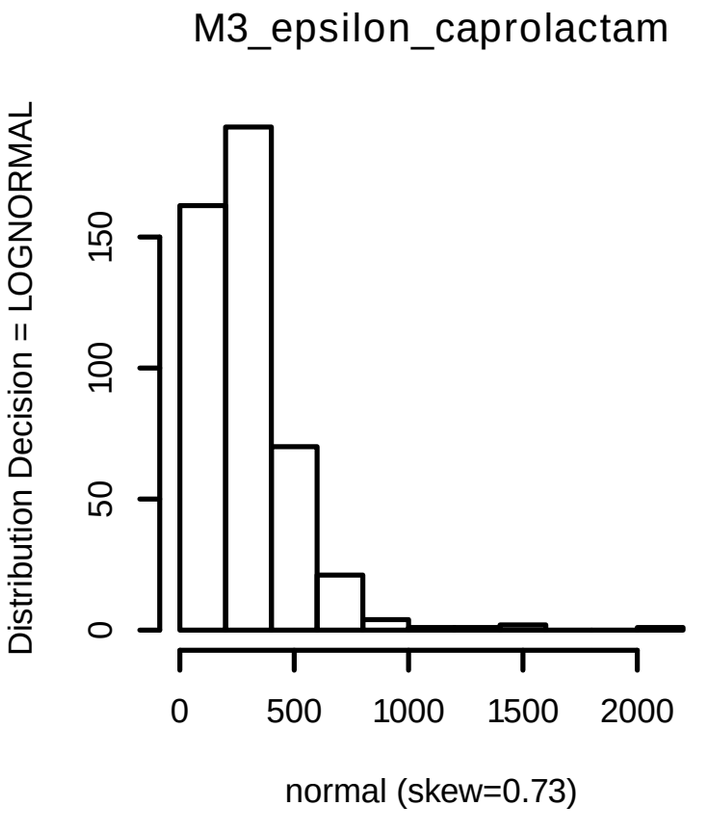

M3__3_5_trihydroxypyrazine_nist
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.036)

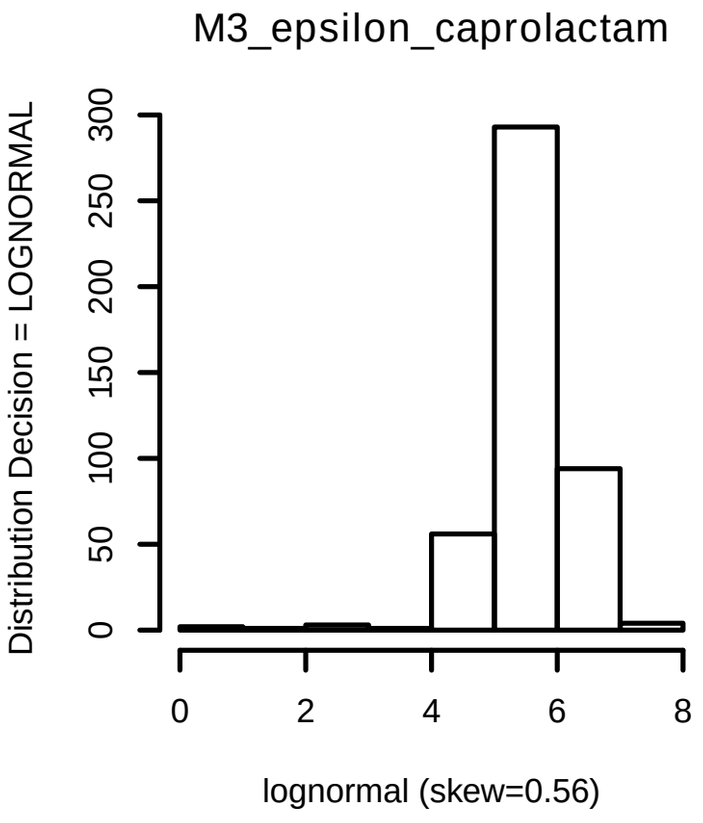

M3__aminoadipic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
200
400
600
800
normal (skew=0.29)

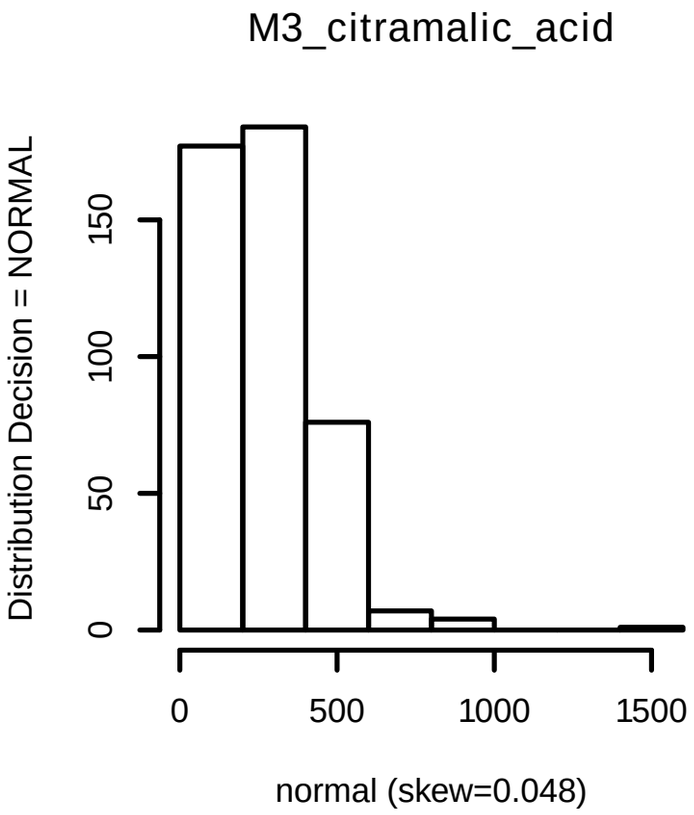

M3__aminoadipic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
1
2
3
4
5
6
7
lognormal (skew=0.19)

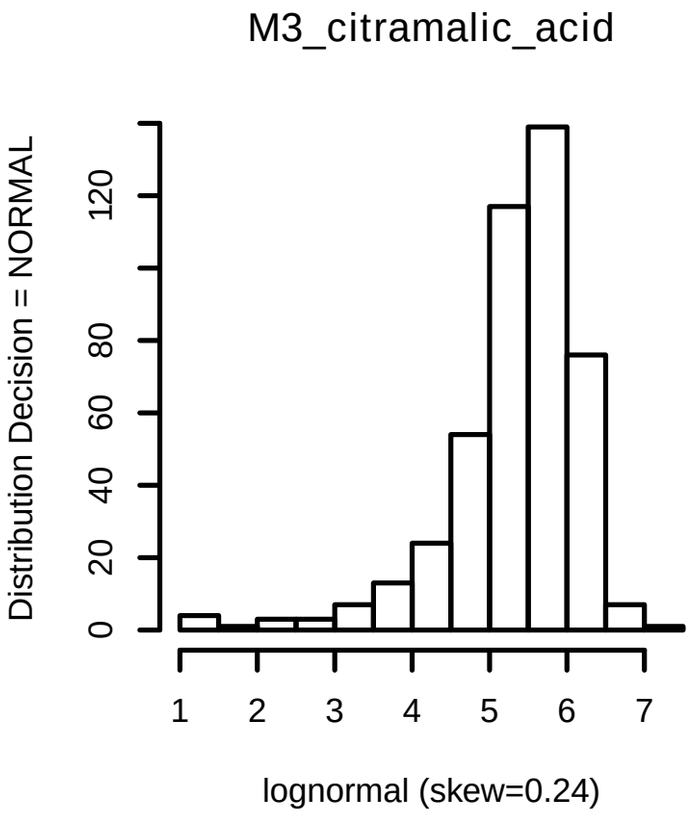

M3__monopalmitin_1
Distribution Decision = NORMAL
0
50
100
150
0
200
400
600
800
1000
normal (skew=0.12)

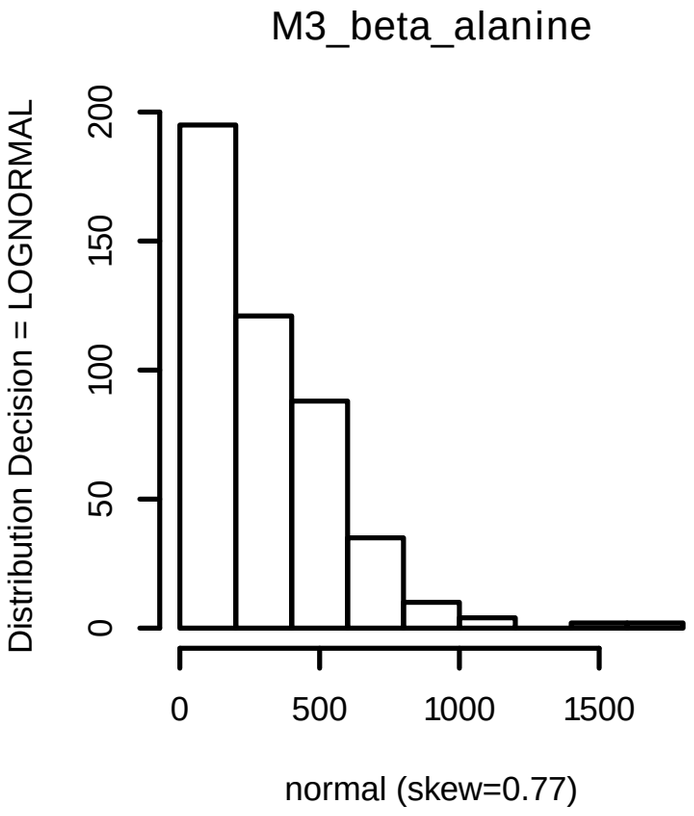

M3__monopalmitin_1
Distribution Decision = NORMAL
0
50
100
150
1
2
3
4
5
6
7
lognormal (skew=1.1)

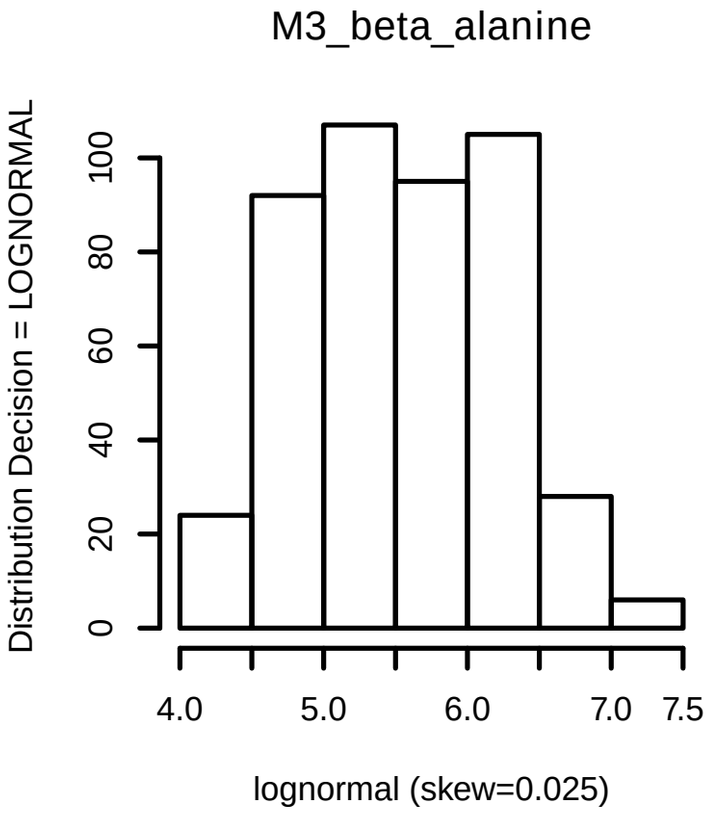

M3_epsilon_caprolactam
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.73)

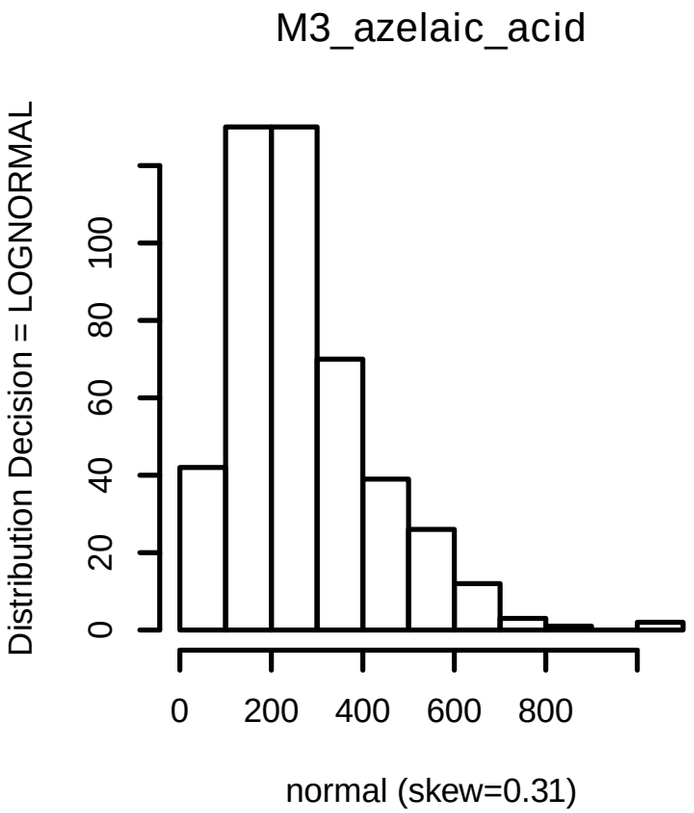

M3_epsilon_caprolactam
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
2
4
6
8
lognormal (skew=0.56)

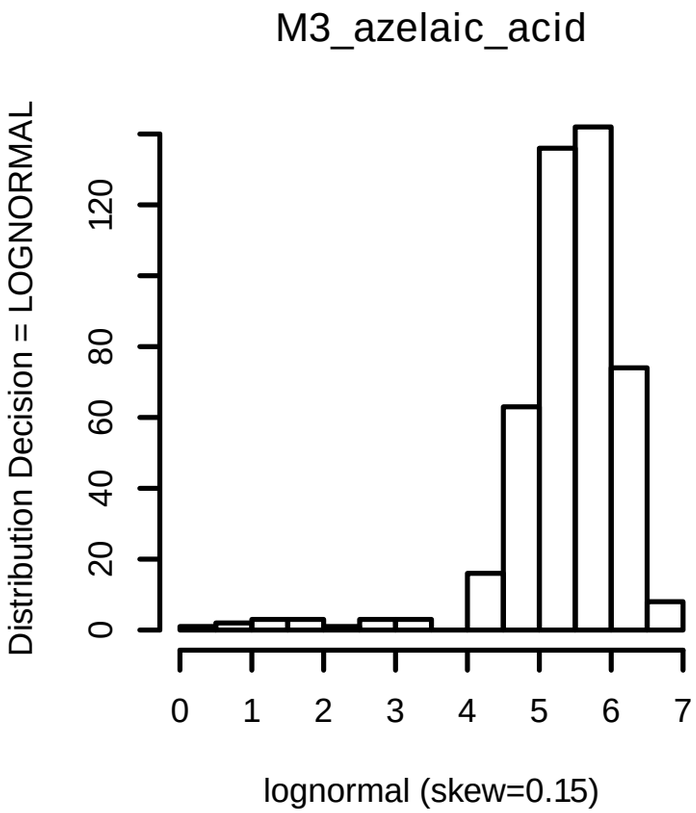

M3_citramalic_acid
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
1500
normal (skew=0.048)

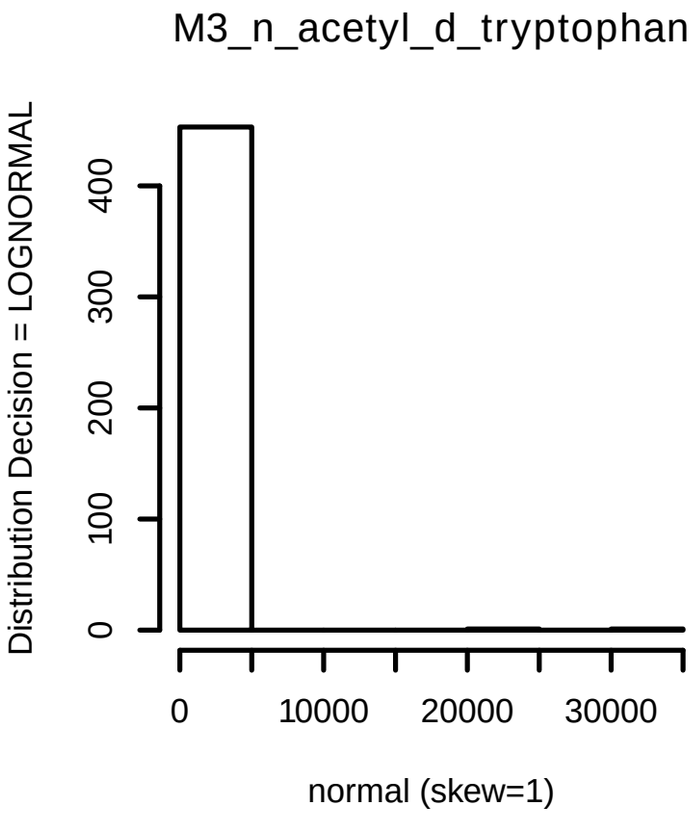

M3_citramalic_acid
Distribution Decision = NORMAL
0
20
40
60
80
120
1
2
3
4
5
6
7
lognormal (skew=0.24)

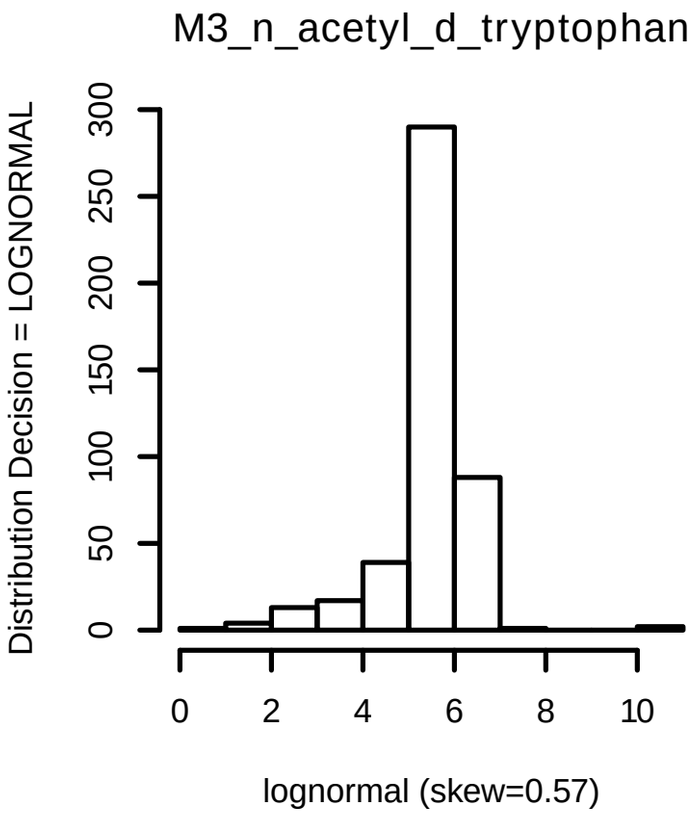

M3_beta_alanine
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1000
1500
normal (skew=0.77)

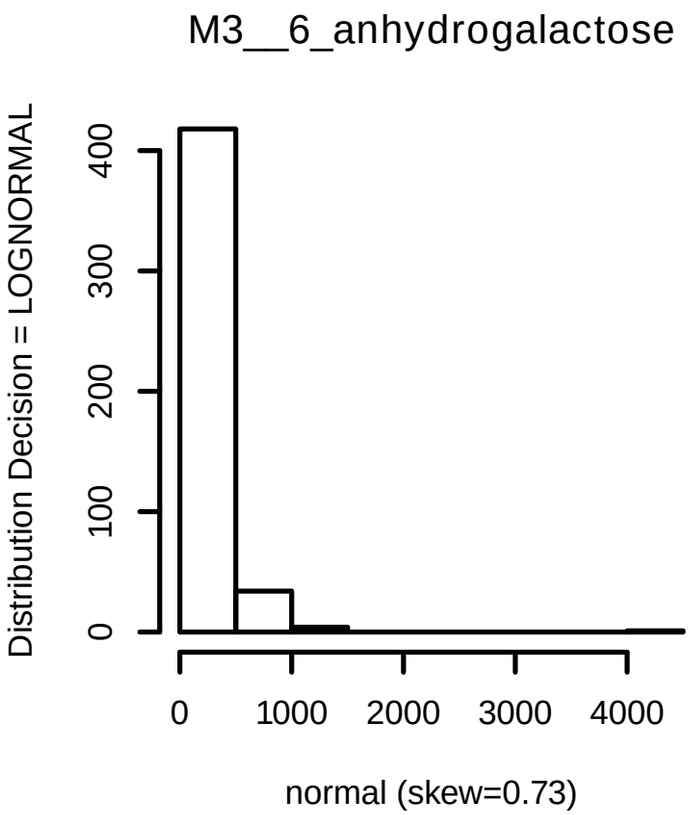

M3_beta_alanine
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4.0
5.0
6.0
7.0
7.5
lognormal (skew=0.025)

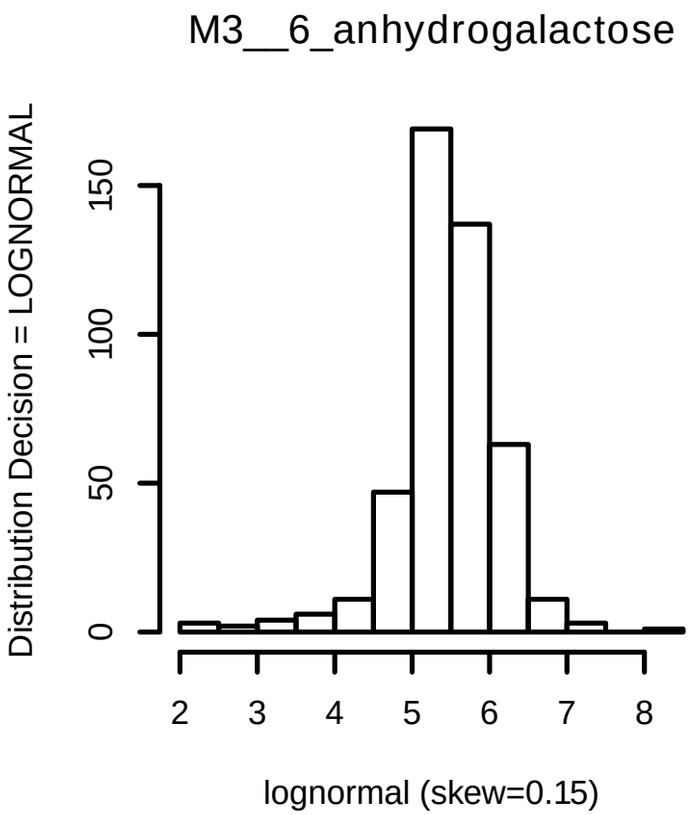

M3_azelaic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
200
400
600
800
normal (skew=0.31)

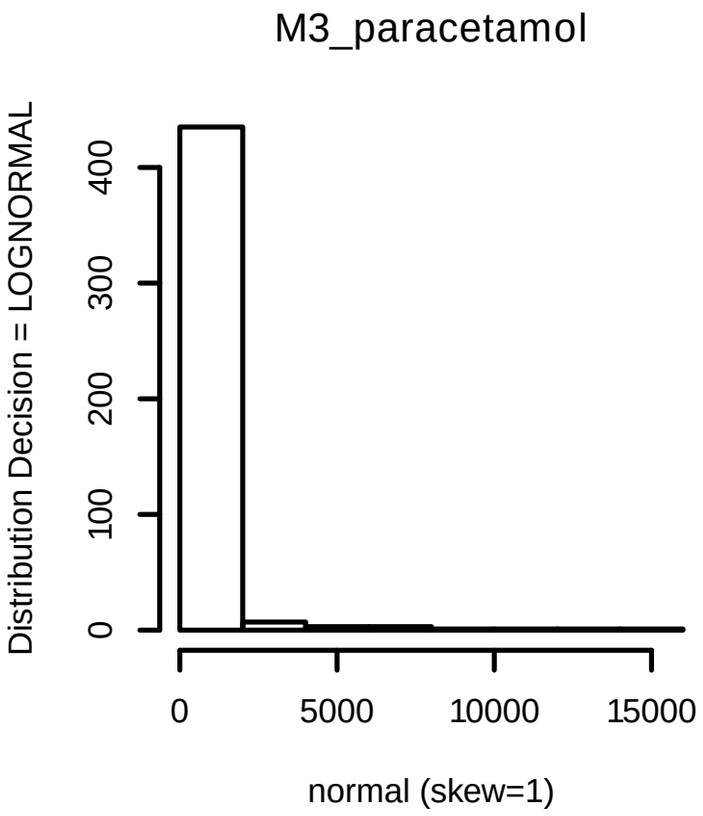

M3_azelaic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
0
1
2
3
4
5
6
7
lognormal (skew=0.15)

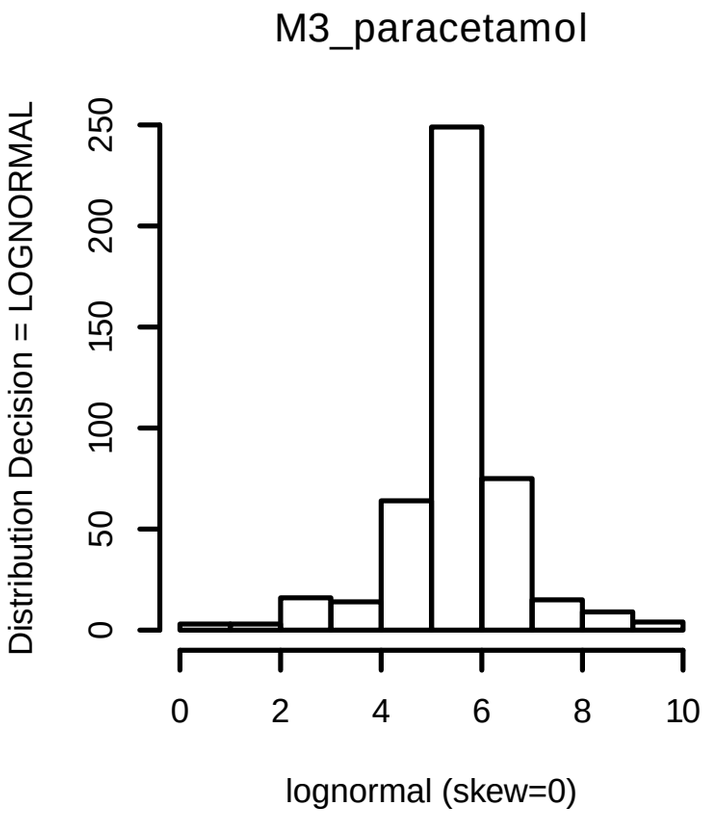

M3_n_acetyl_d_tryptophan
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
20000
30000
normal (skew=1)

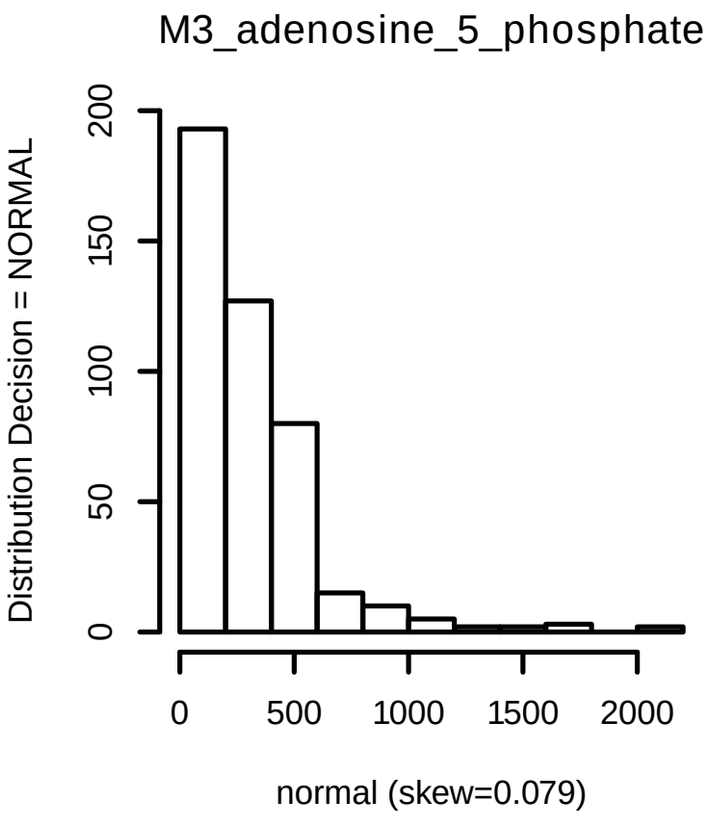

M3_n_acetyl_d_tryptophan
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
2
4
6
8
10
lognormal (skew=0.57)

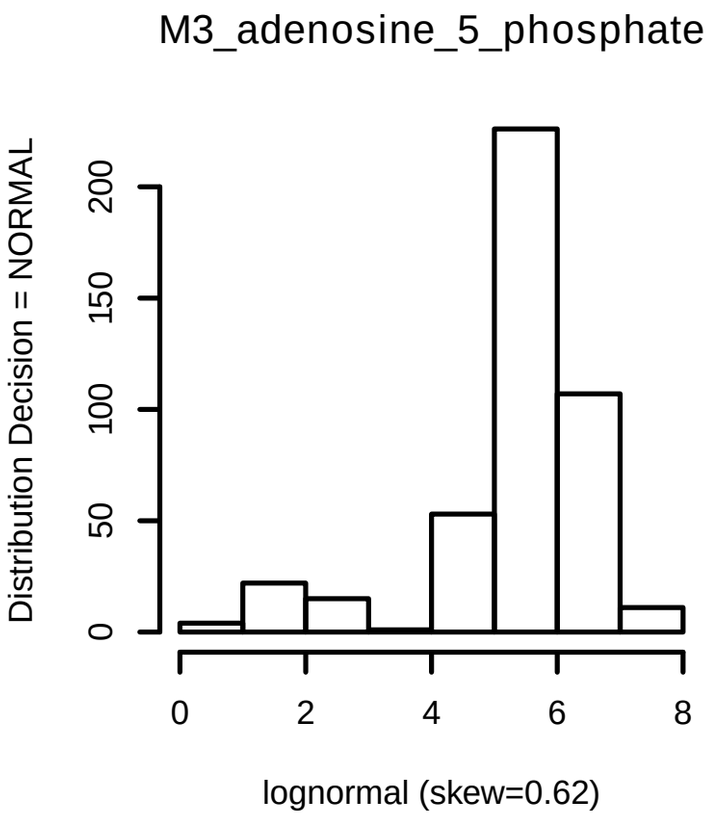

M3__6_anhydrogalactose
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
1000
2000
3000
4000
normal (skew=0.73)

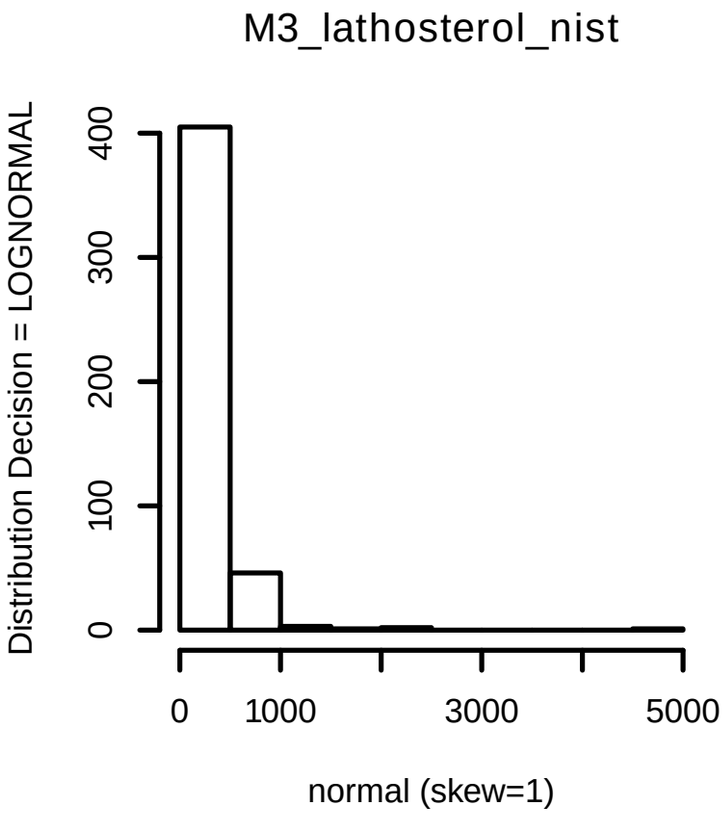

M3__6_anhydrogalactose
Distribution Decision = LOGNORMAL
0
50
100
150
2
3
4
5
6
7
8
lognormal (skew=0.15)

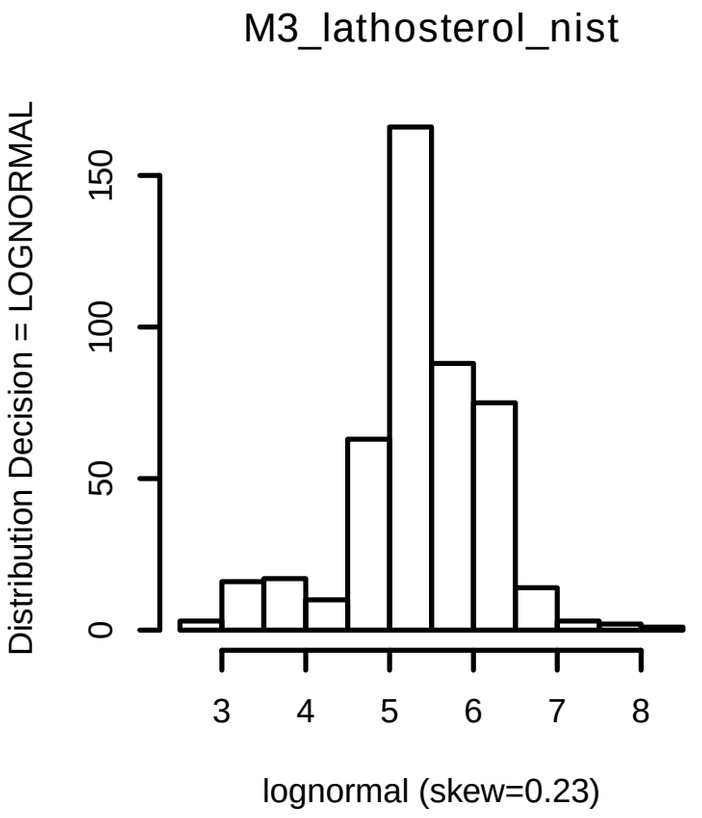

M3_paracetamol
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
normal (skew=1)

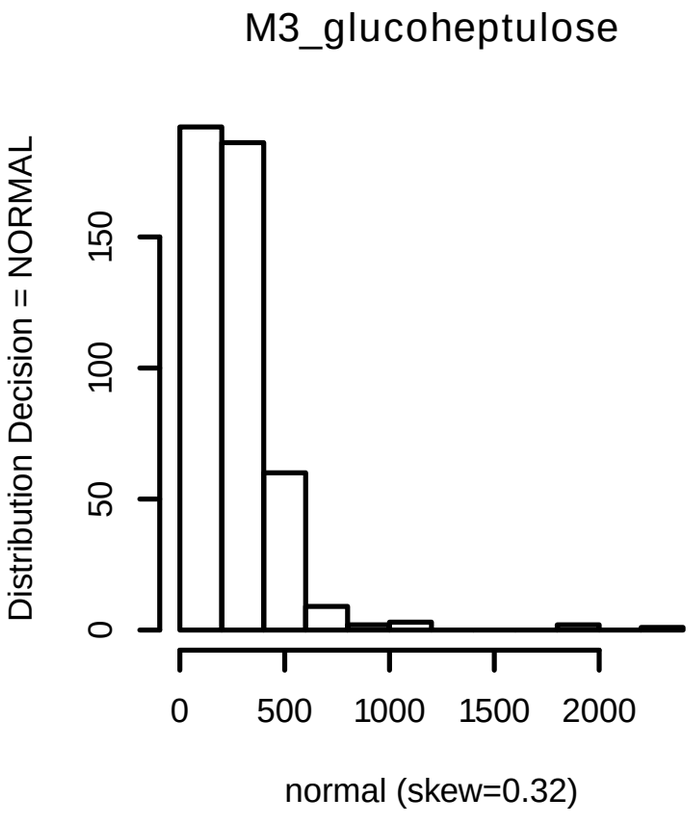

M3_paracetamol
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
10
lognormal (skew=0)

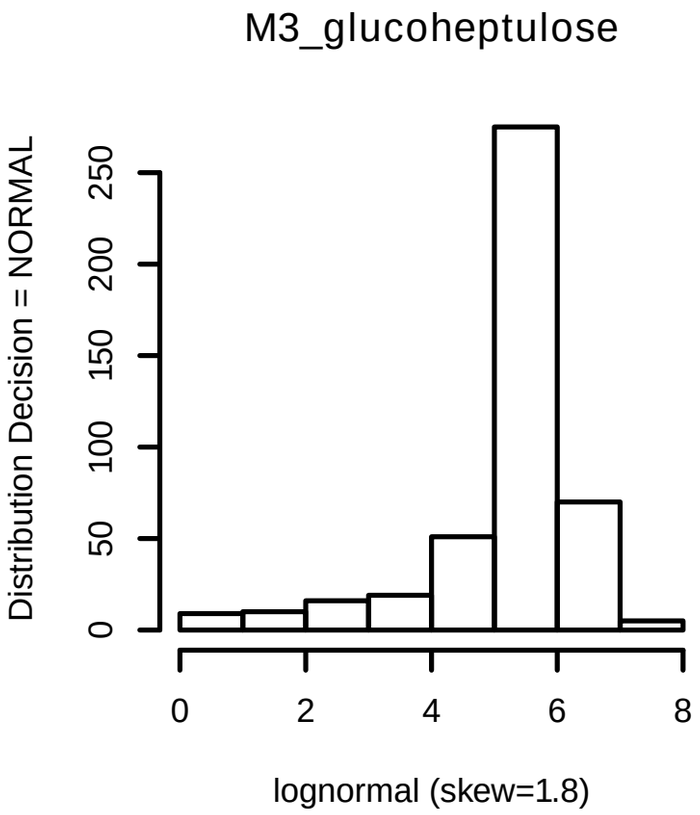

M3_adenosine_5_phosphate
Distribution Decision = NORMAL
0
50
100
150
200
0
500
1000
1500
2000
normal (skew=0.079)

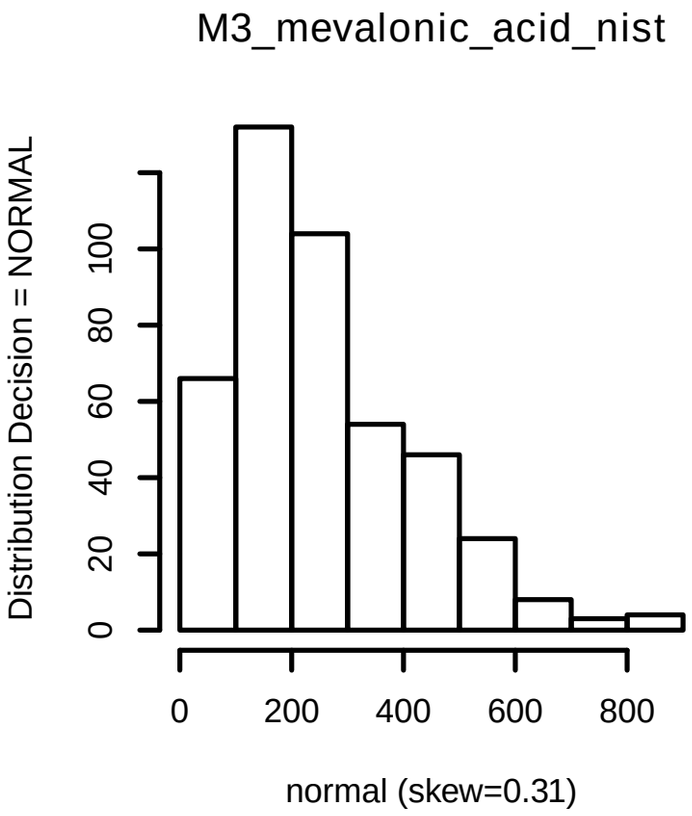

M3_adenosine_5_phosphate
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.62)

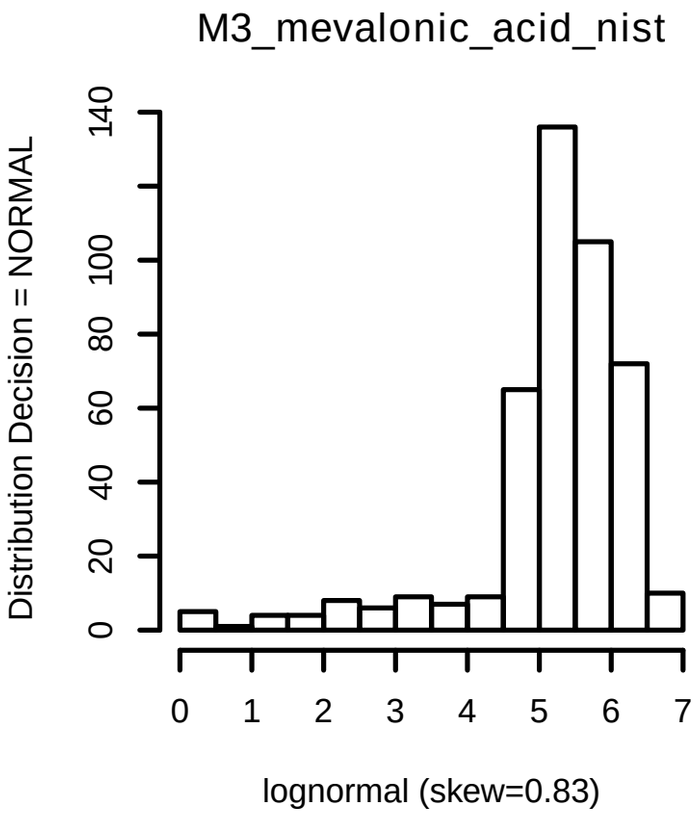

M3_lathosterol_nist
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
1000
3000
5000
normal (skew=1)

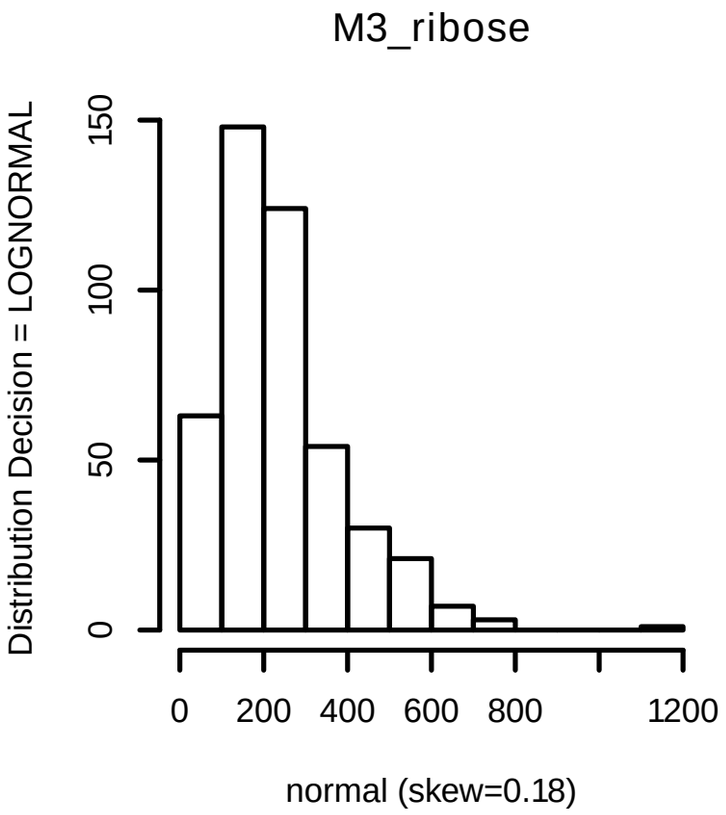

M3_lathosterol_nist
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0.23)

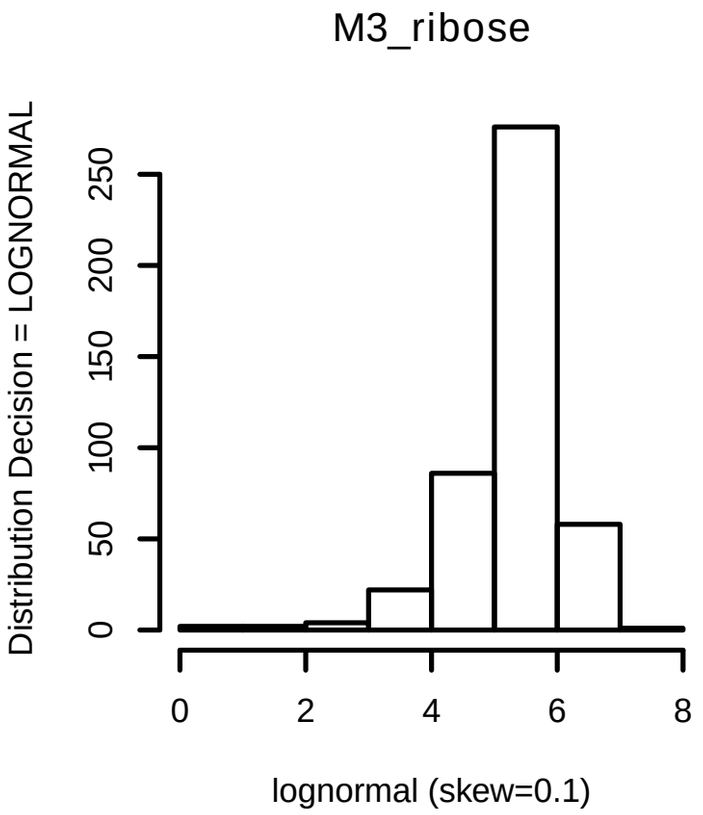

M3_glucoheptulose
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.32)

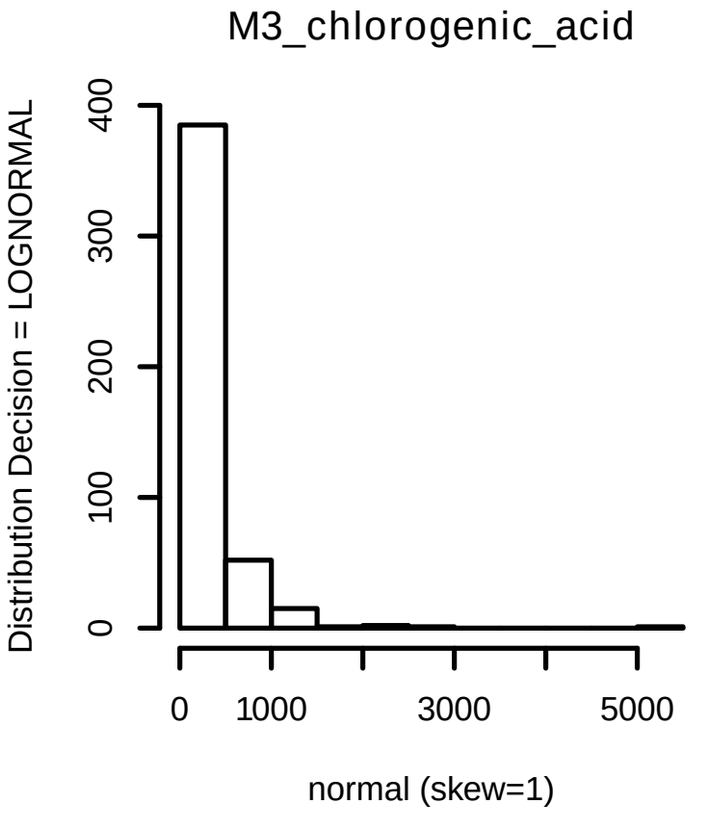

M3_glucoheptulose
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=1.8)

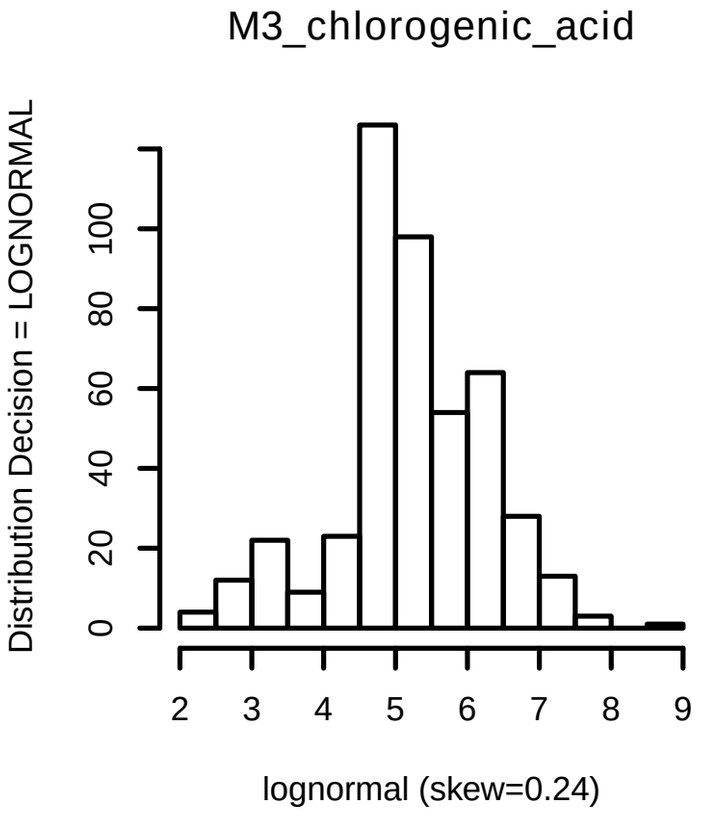

M3_mevalonic_acid_nist
Distribution Decision = NORMAL
0
20
40
60
80
100
0
200
400
600
800
normal (skew=0.31)

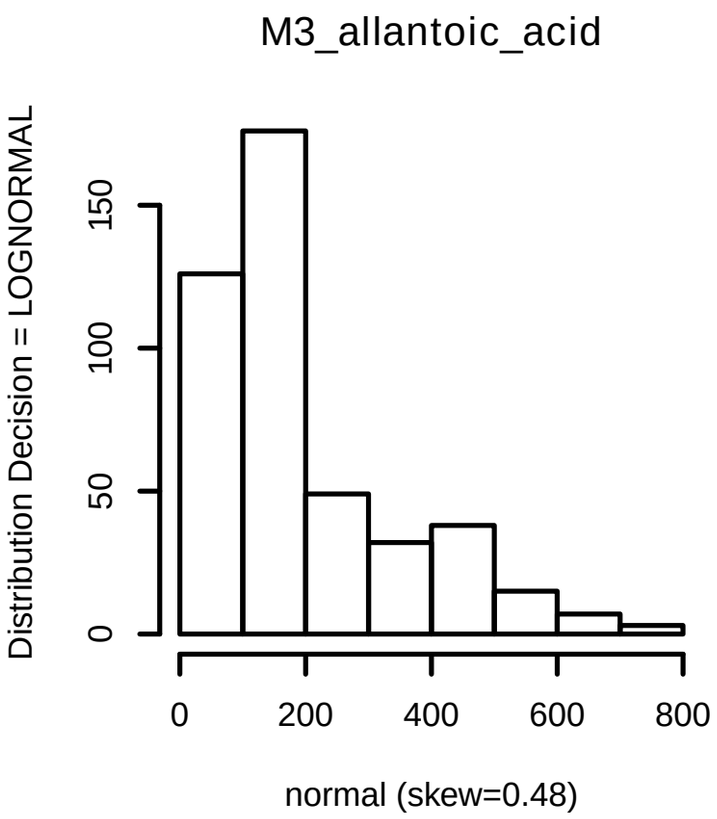

M3_mevalonic_acid_nist
Distribution Decision = NORMAL
0
20
40
60
80
100
140
0
1
2
3
4
5
6
7
lognormal (skew=0.83)

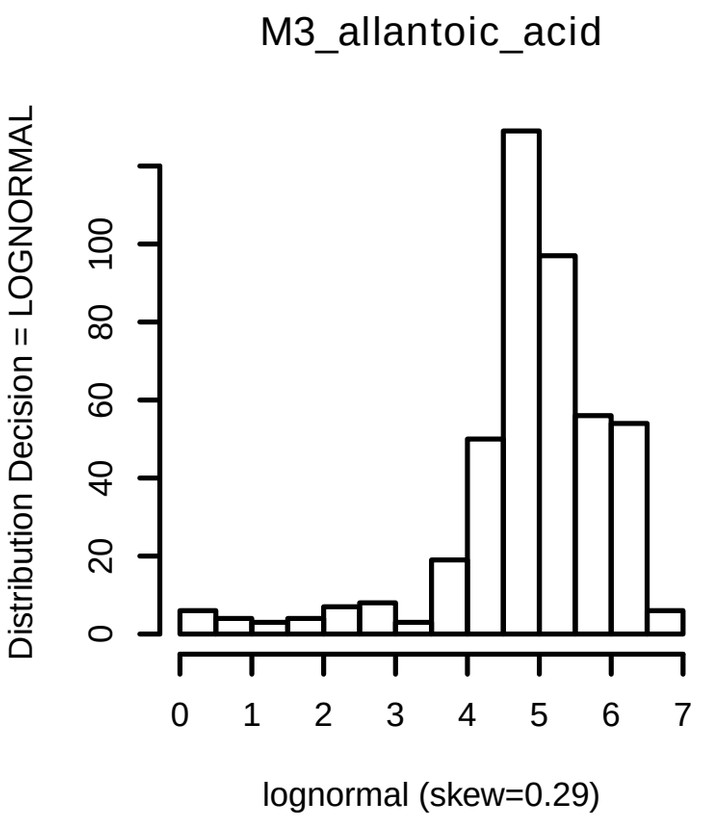

M3_ribose
Distribution Decision = LOGNORMAL
0
50
100
150
0
200
400
600
800
1200
normal (skew=0.18)

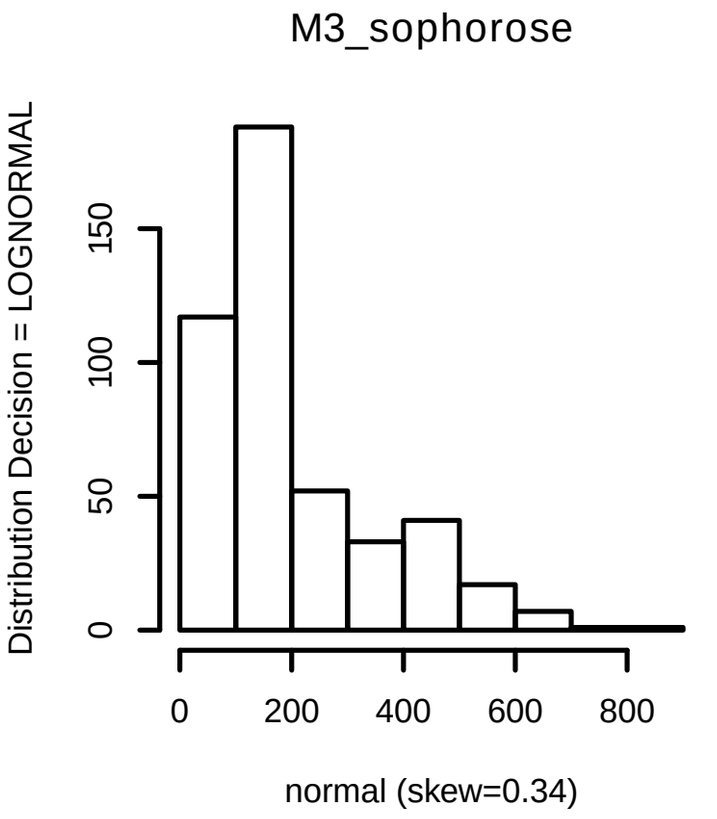

M3_ribose
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.1)

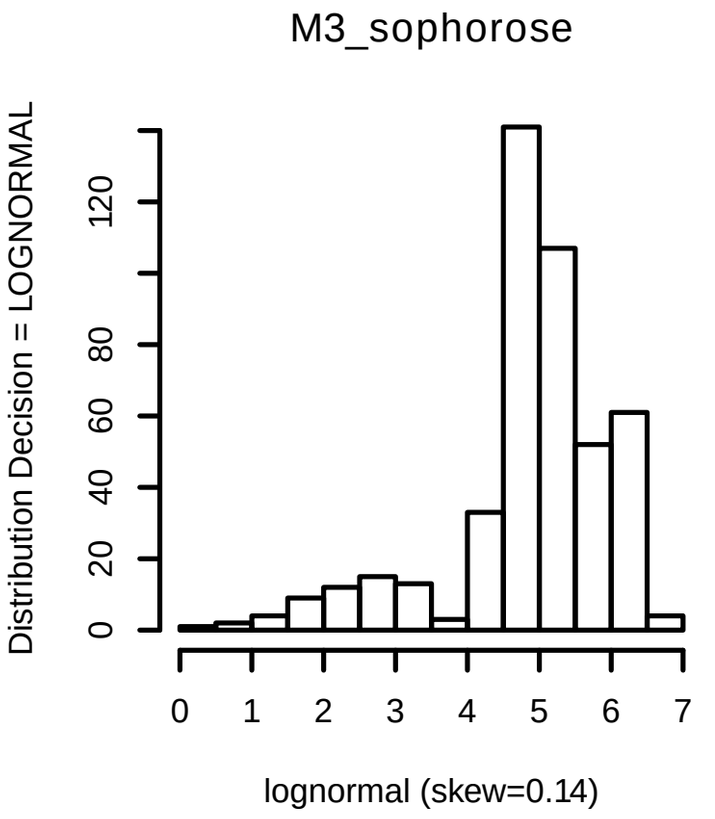

M3_chlorogenic_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
1000
3000
5000
normal (skew=1)

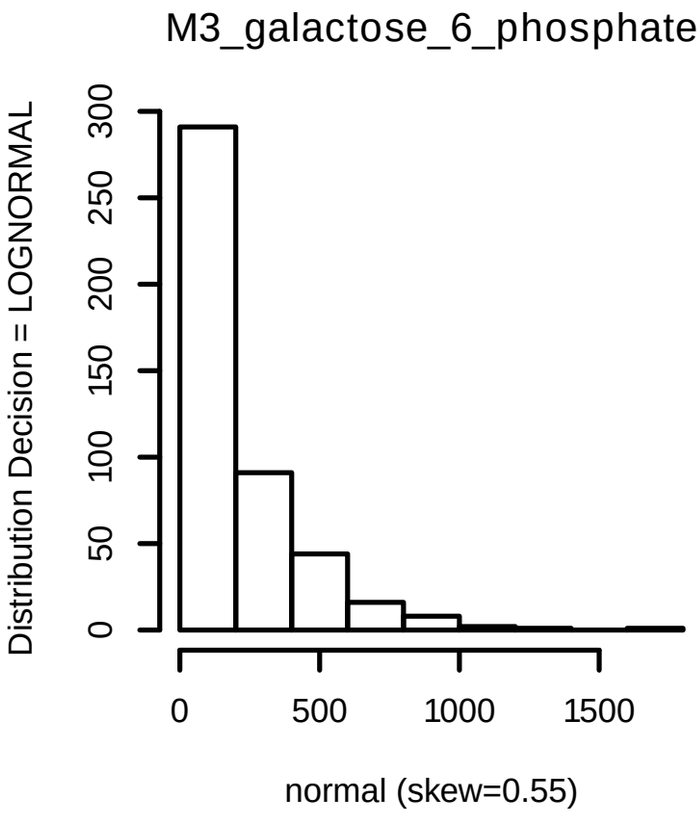

M3_chlorogenic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
2
3
4
5
6
7
8
9
lognormal (skew=0.24)

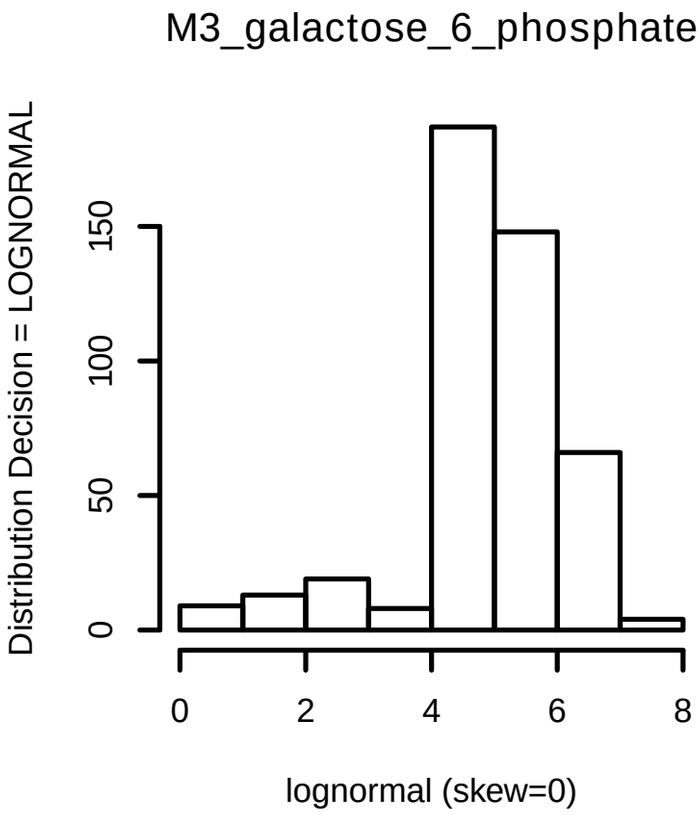

M3_allantoic_acid
Distribution Decision = LOGNORMAL
0
50
100
150
0
200
400
600
800
normal (skew=0.48)

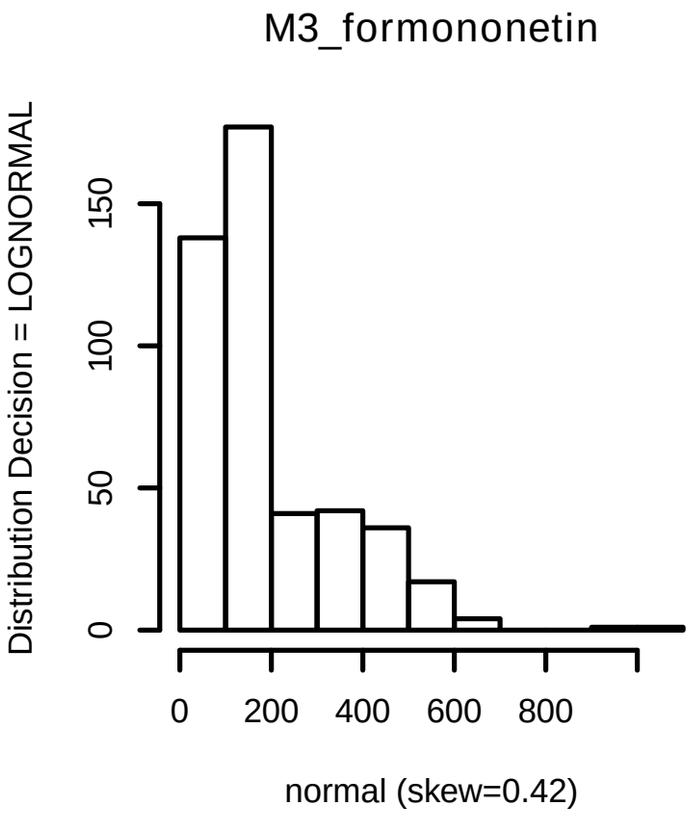

M3_allantoic_acid
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
1
2
3
4
5
6
7
lognormal (skew=0.29)

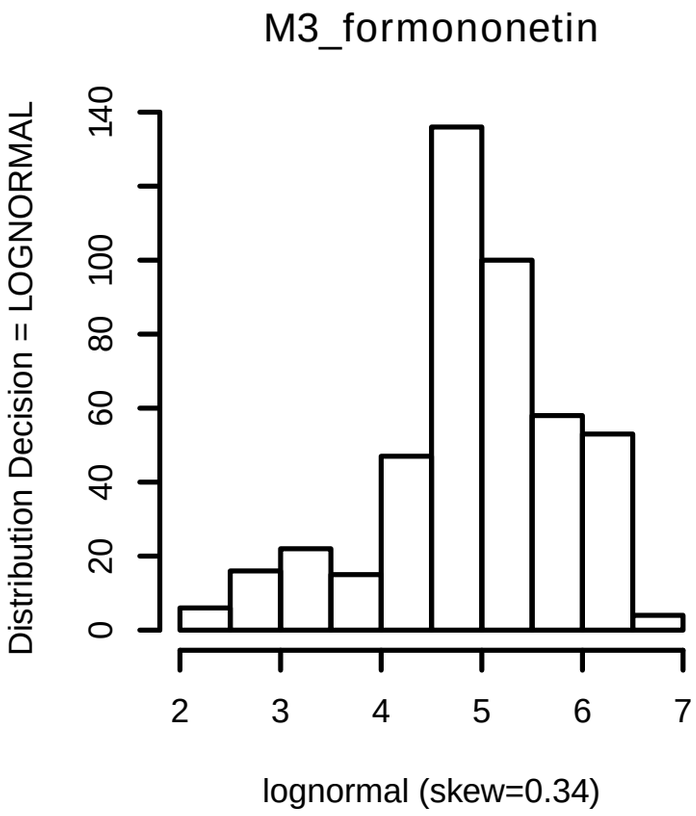

M3_sophorose
Distribution Decision = LOGNORMAL
0
50
100
150
0
200
400
600
800
normal (skew=0.34)

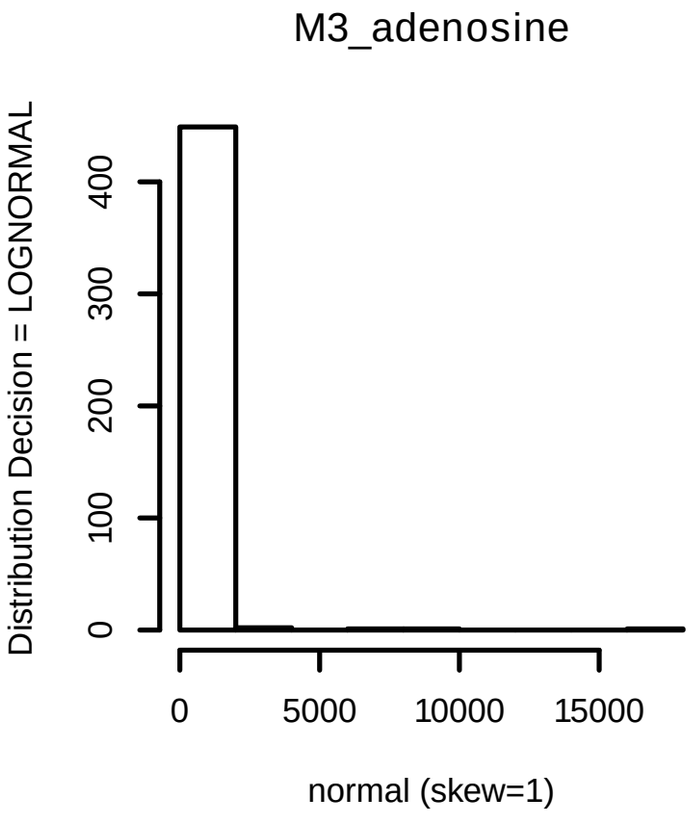

M3_sophorose
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
0
1
2
3
4
5
6
7
lognormal (skew=0.14)

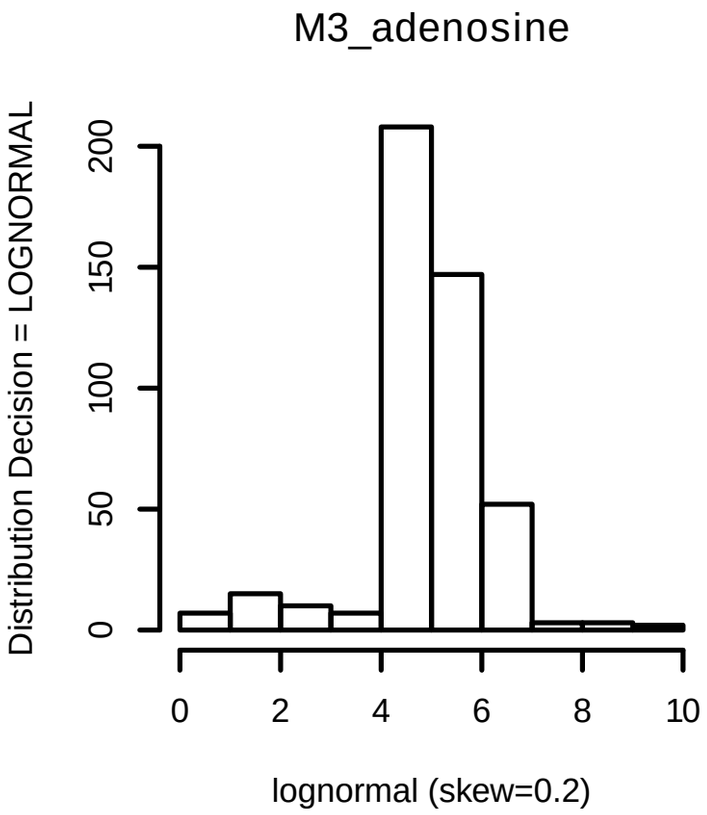

M3_galactose_6_phosphate
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
500
1000
1500
normal (skew=0.55)

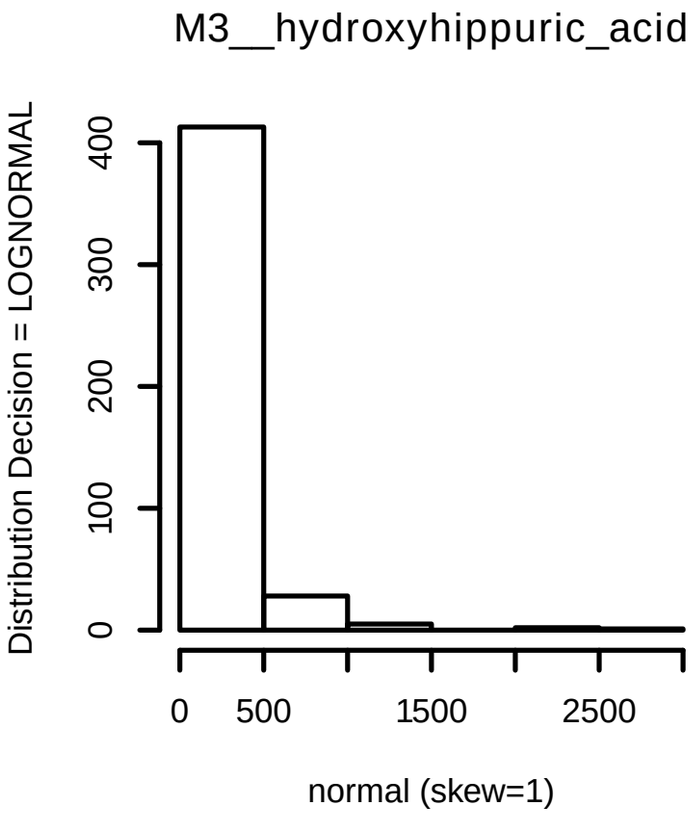

M3_galactose_6_phosphate
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0)

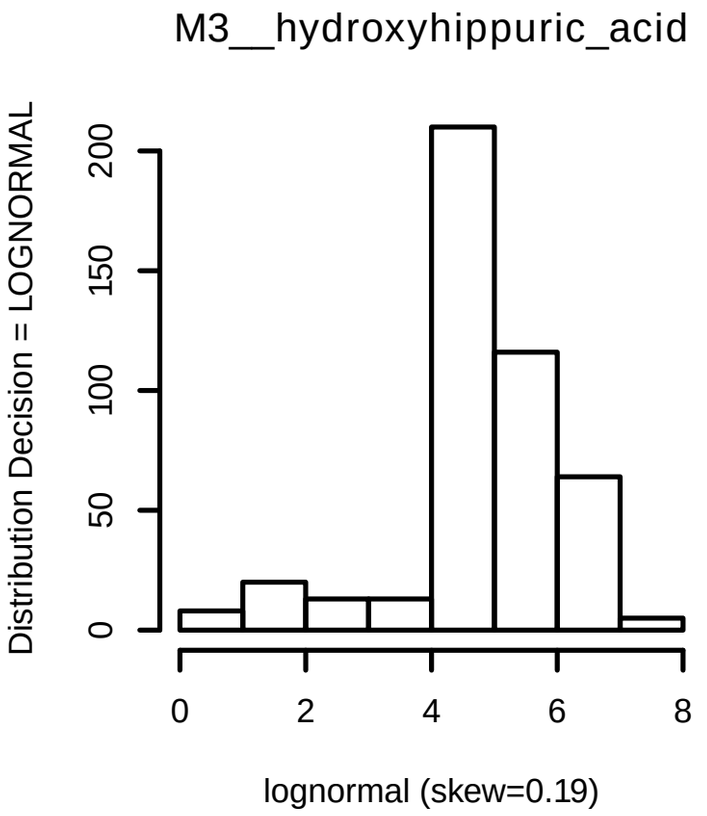

M3_formononetin
Distribution Decision = LOGNORMAL
0
50
100
150
0
200
400
600
800
normal (skew=0.42)

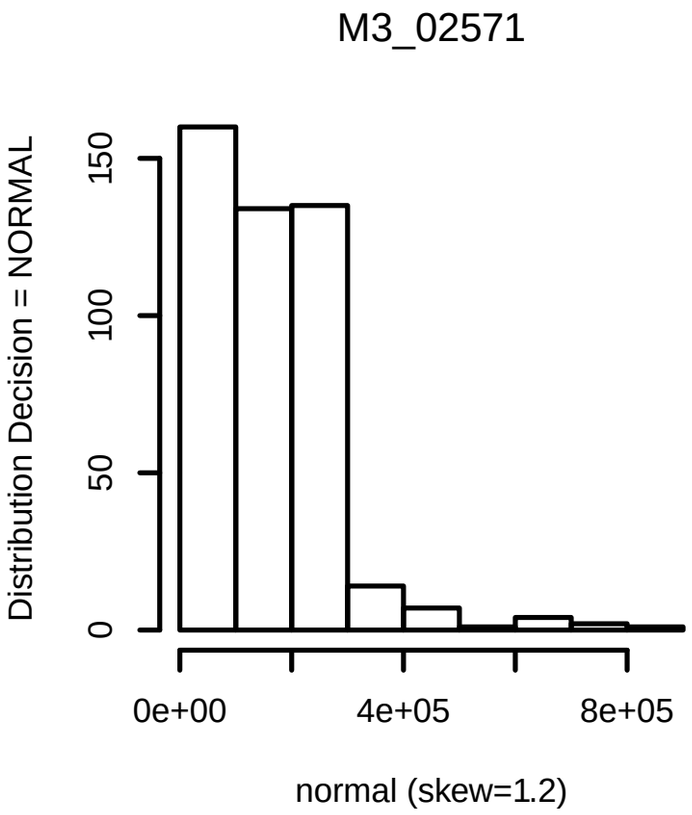

M3_formononetin
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
2
3
4
5
6
7
lognormal (skew=0.34)

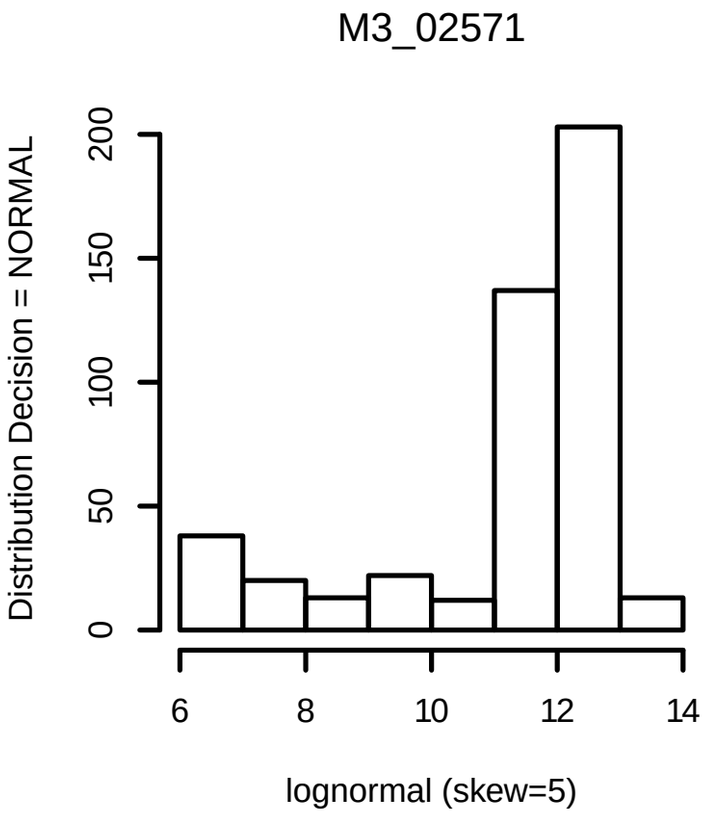

M3_adenosine
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
normal (skew=1)

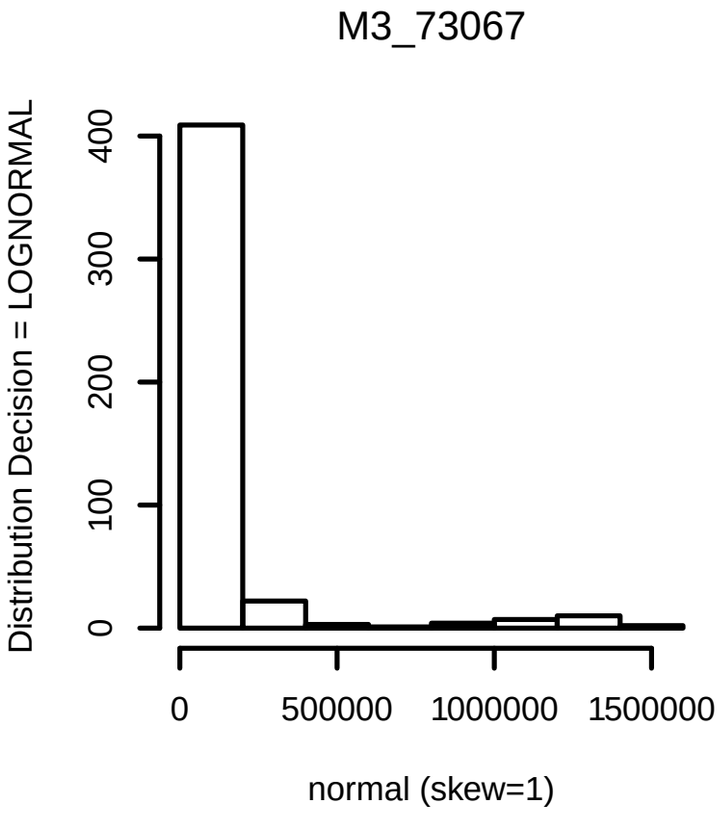

M3_adenosine
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=0.2)

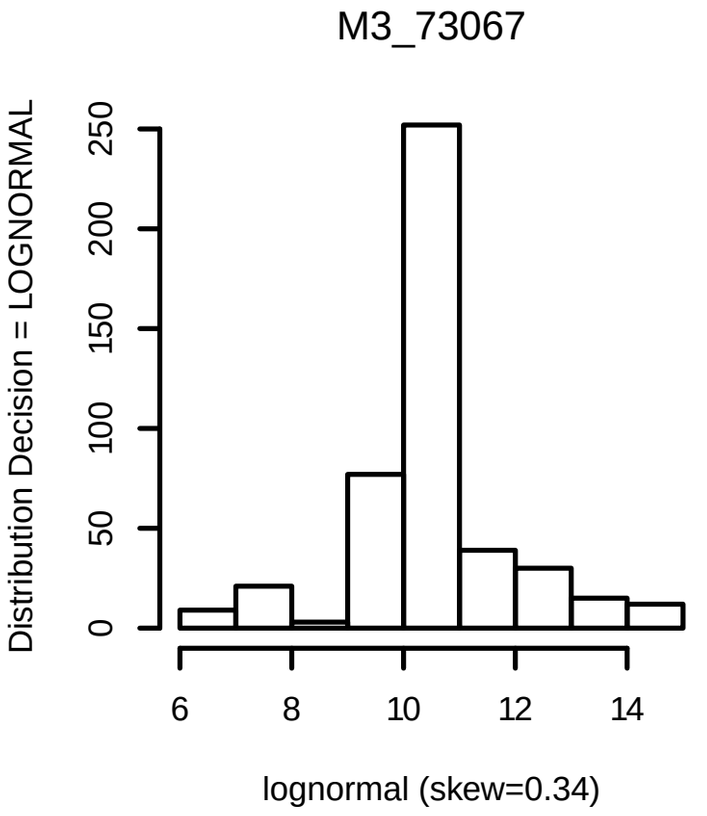

M3__hydroxyhippuric_acid
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
500
1500
2500
normal (skew=1)

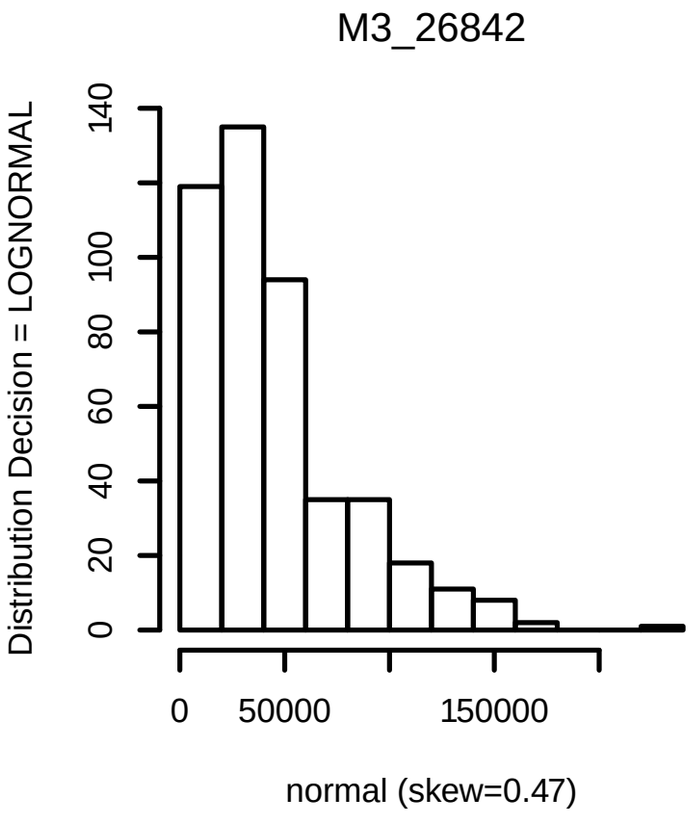

M3__hydroxyhippuric_acid
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.19)

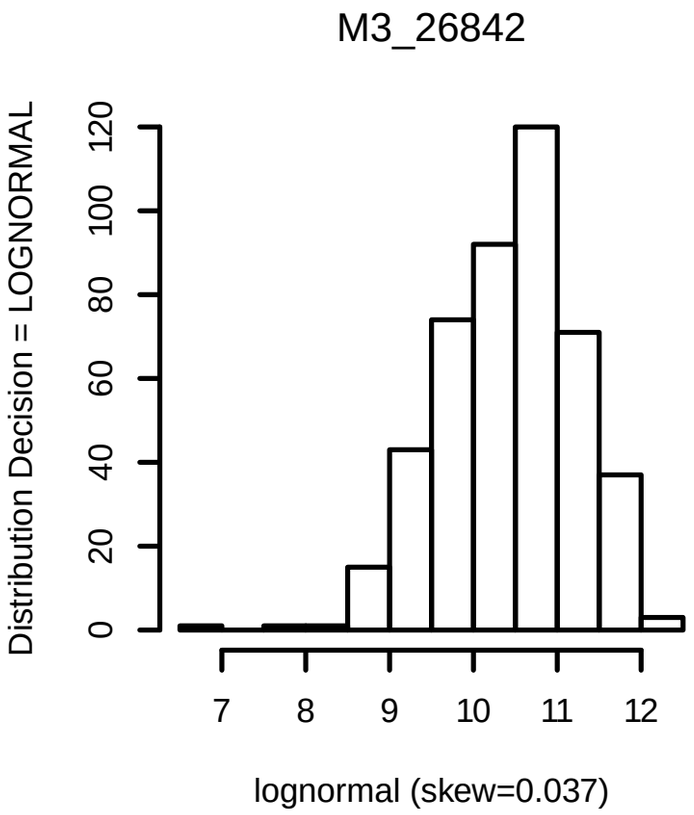

M3_02571
Distribution Decision = NORMAL
0
50
100
150
0e+00
4e+05
8e+05
normal (skew=1.2)

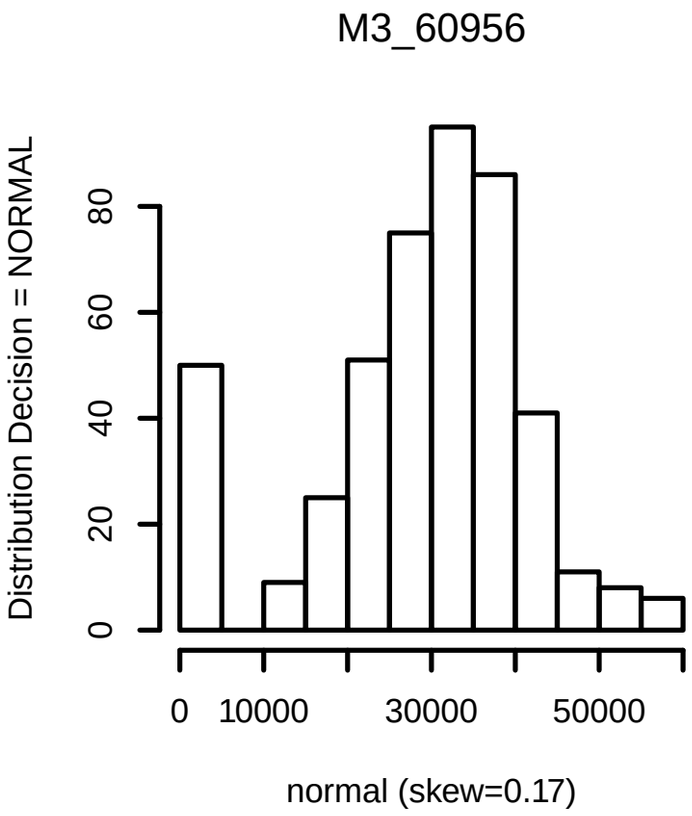

M3_02571
Distribution Decision = NORMAL
0
50
100
150
200
6
8
10
12
14
lognormal (skew=5)

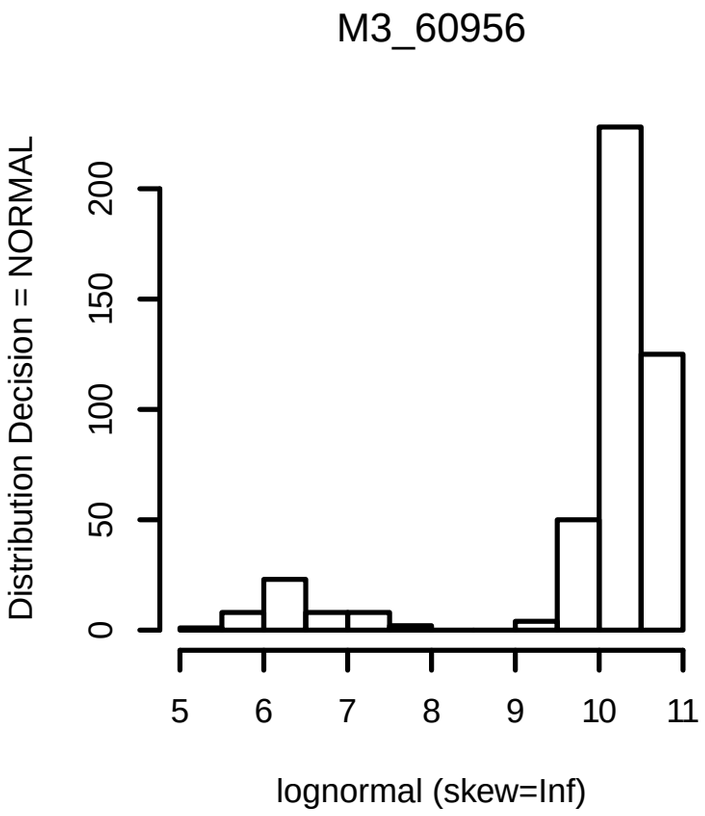

M3_73067
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
500000
1000000
1500000
normal (skew=1)

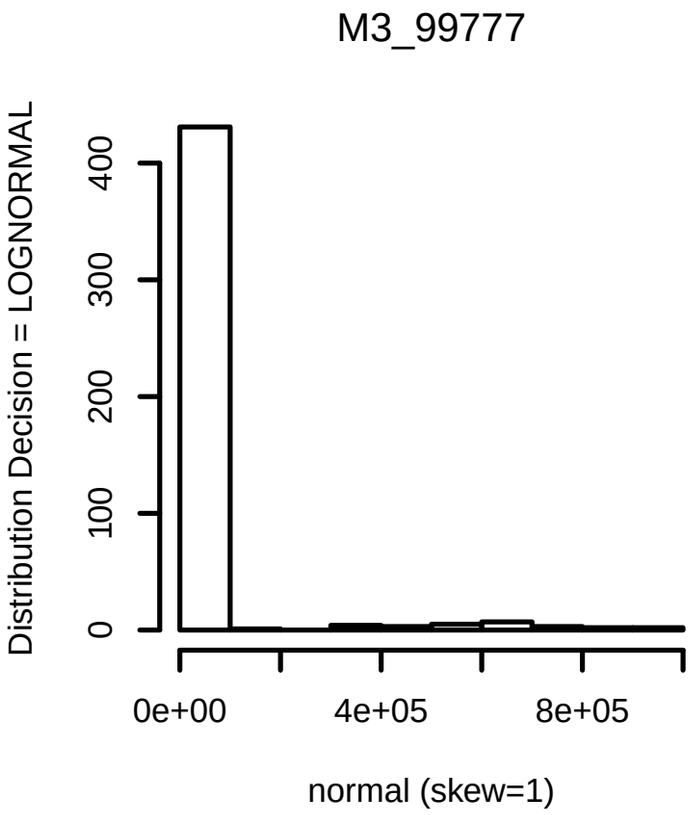

M3_73067
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
6
8
10
12
14
lognormal (skew=0.34)

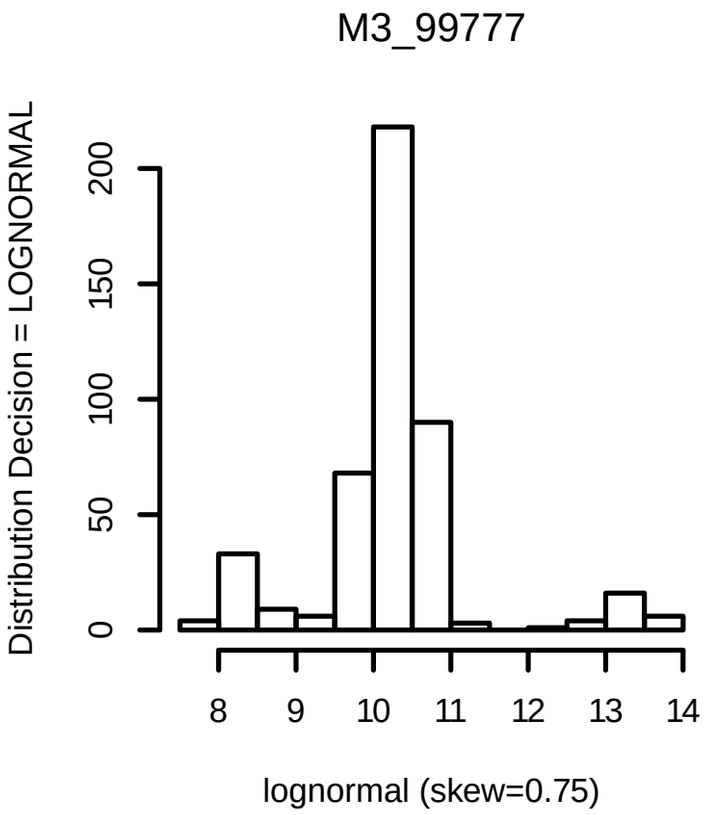

M3_26842
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
0
50000
150000
normal (skew=0.47)

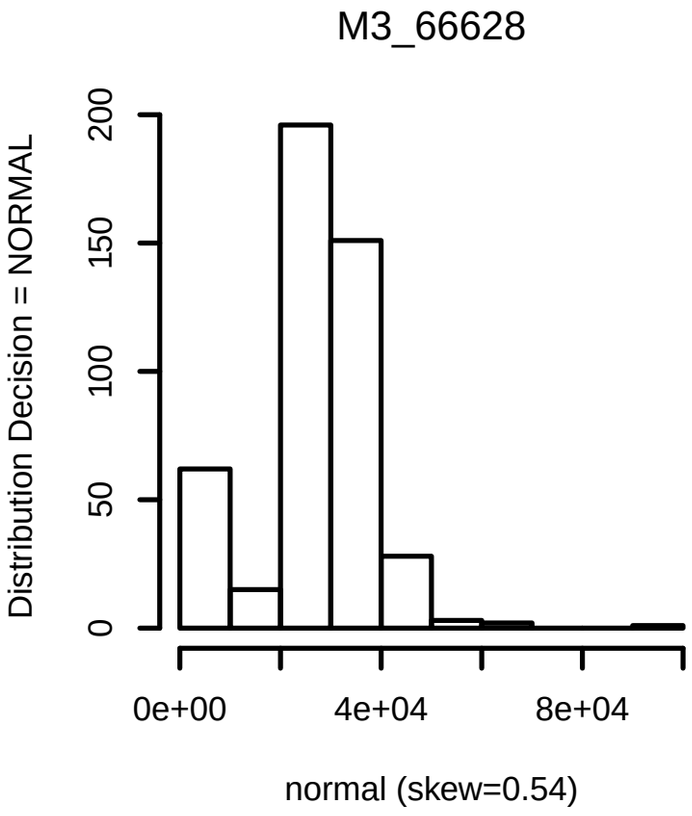

M3_26842
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
7
8
9
10
11
12
lognormal (skew=0.037)

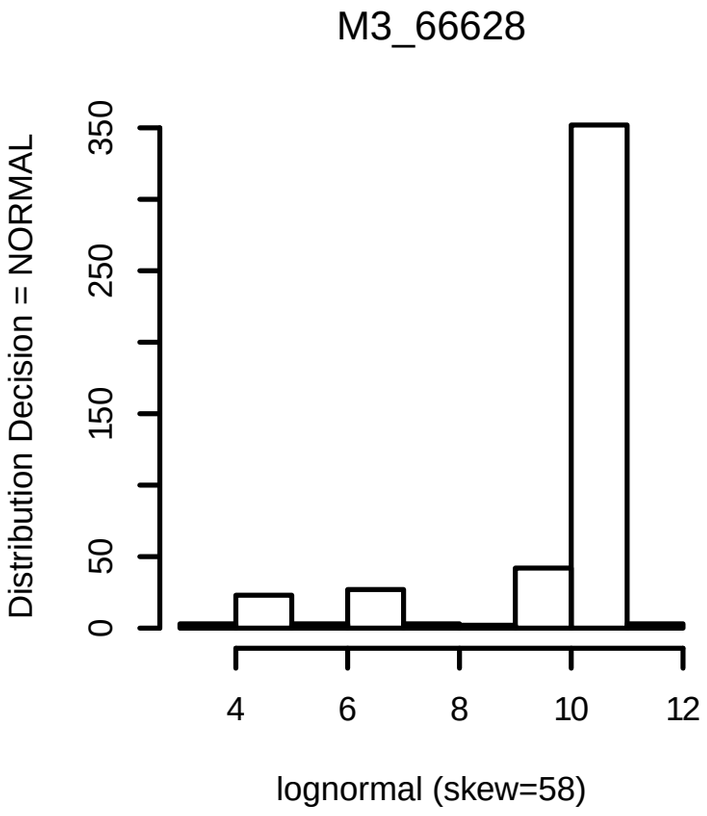

M3_60956
Distribution Decision = NORMAL
0
20
40
60
80
0
10000
30000
50000
normal (skew=0.17)

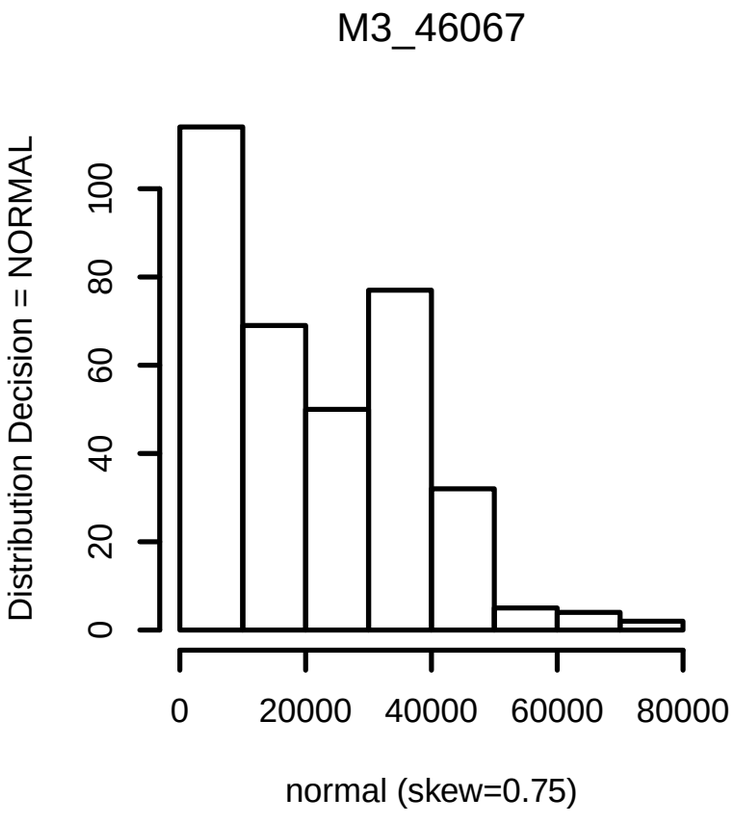

M3_60956
Distribution Decision = NORMAL
0
50
100
150
200
5
6
7
8
9
10
11
lognormal (skew=Inf)

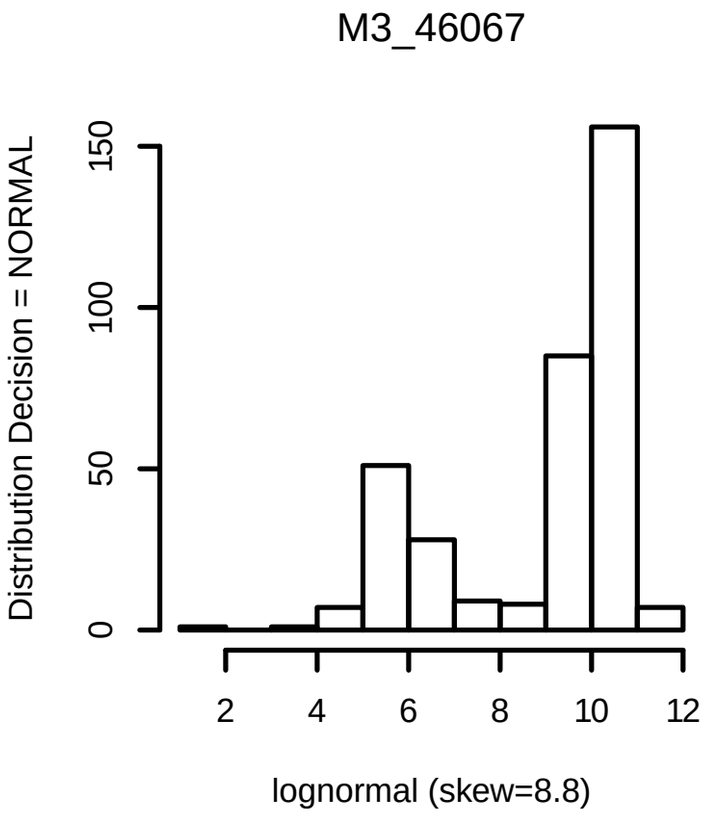

M3_99777
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
4e+05
8e+05
normal (skew=1)

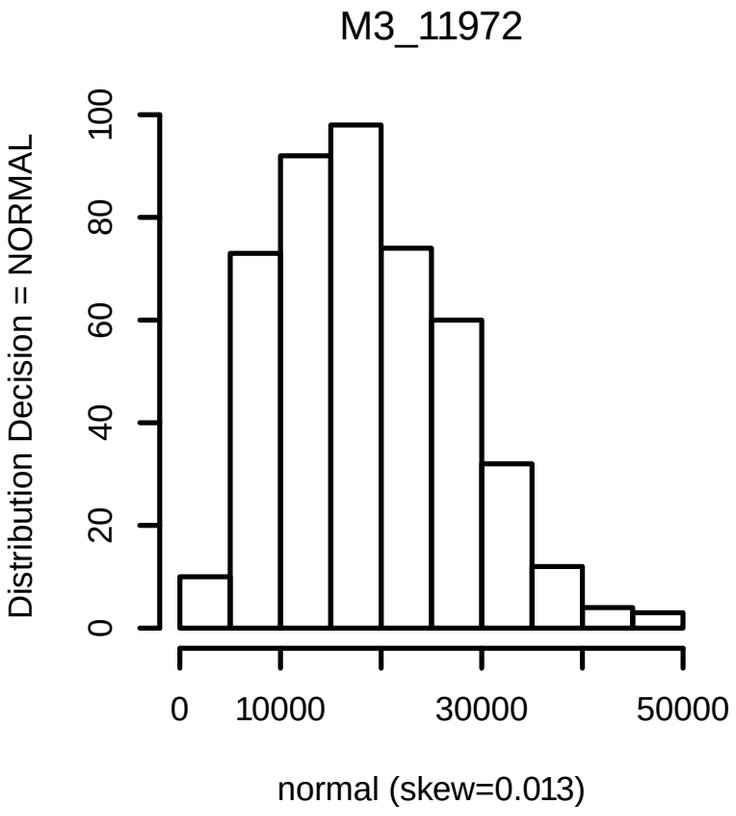

M3_99777
Distribution Decision = LOGNORMAL
0
50
100
150
200
8
9
10
11
12
13
14
lognormal (skew=0.75)

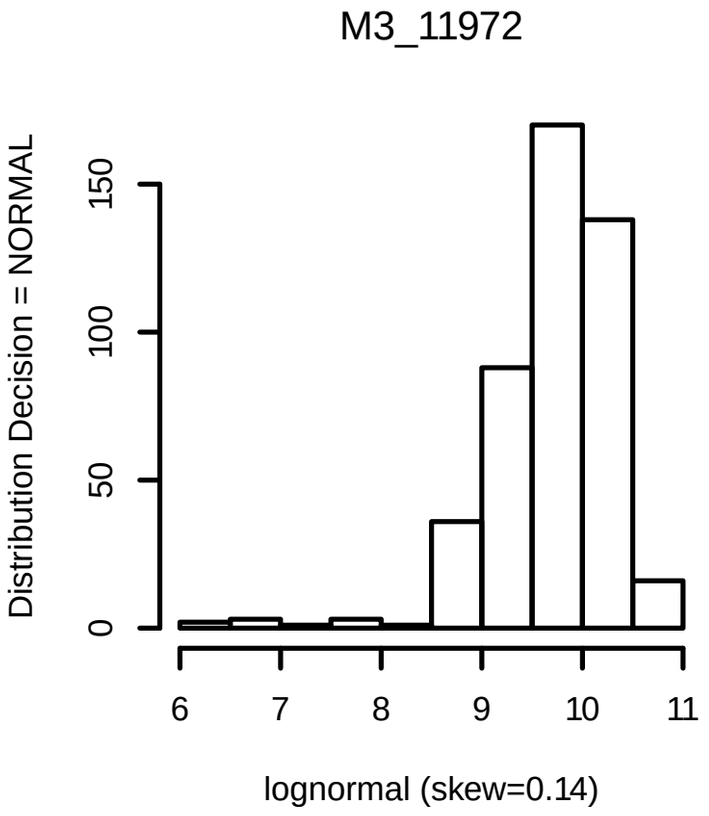

M3_66628
Distribution Decision = NORMAL
0
50
100
150
200
0e+00
4e+04
8e+04
normal (skew=0.54)

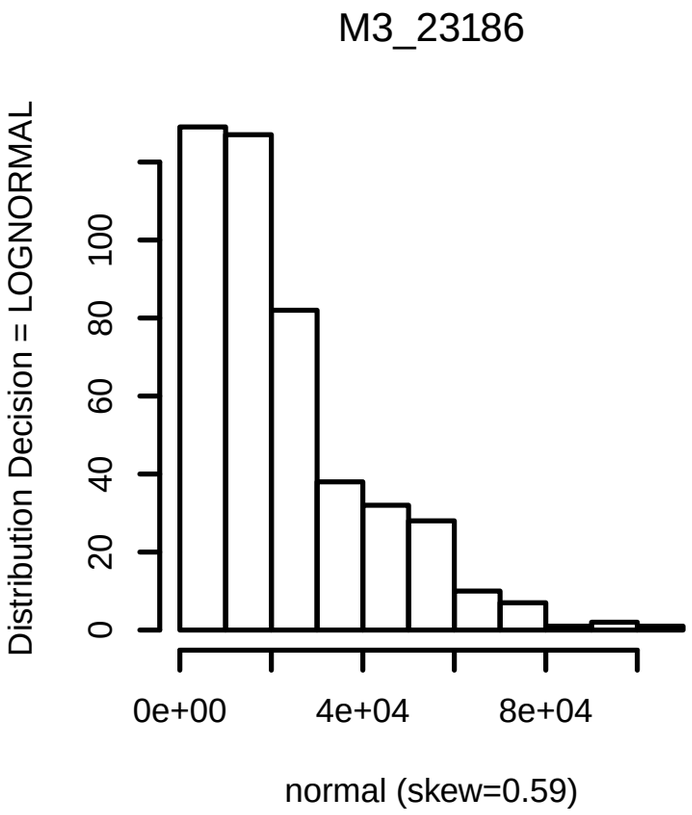

M3_66628
Distribution Decision = NORMAL
0
50
150
250
350
4
6
8
10
12
lognormal (skew=58)

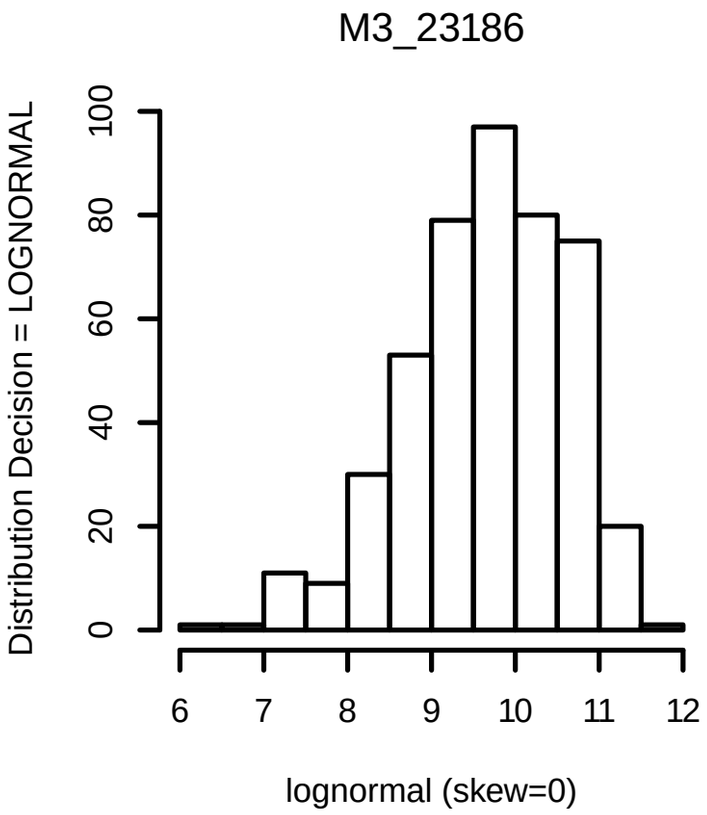

M3_46067
Distribution Decision = NORMAL
0
20
40
60
80
100
0
20000
40000
60000
80000
normal (skew=0.75)

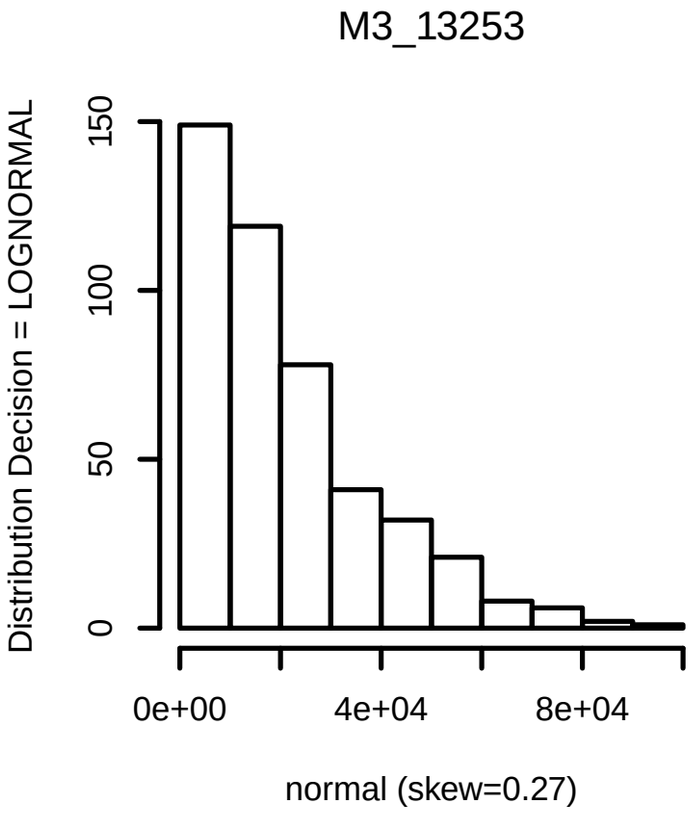

M3_46067
Distribution Decision = NORMAL
0
50
100
150
2
4
6
8
10
12
lognormal (skew=8.8)

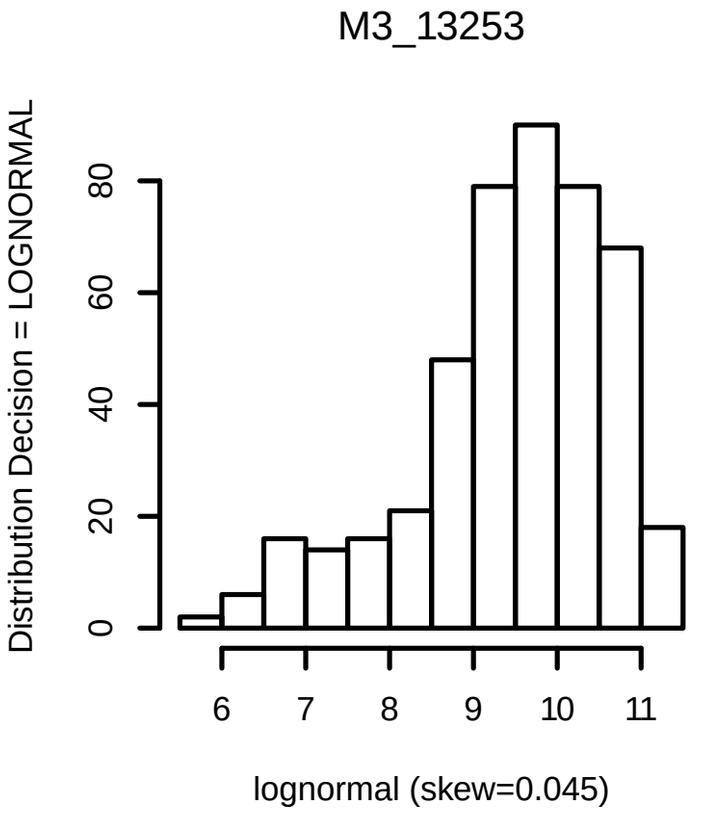

M3_11972
Distribution Decision = NORMAL
0
20
40
60
80
100
0
10000
30000
50000
normal (skew=0.013)

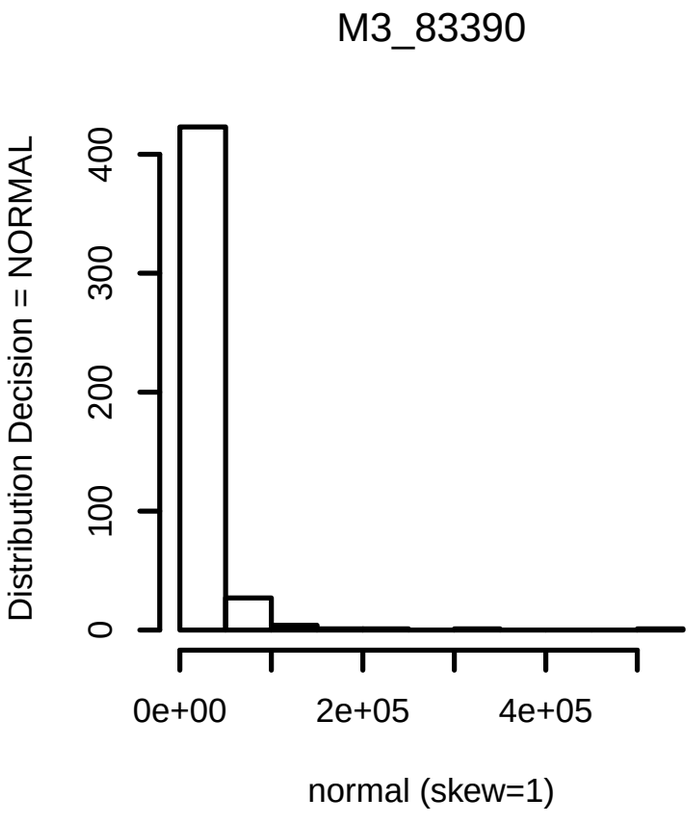

M3_11972
Distribution Decision = NORMAL
0
50
100
150
6
7
8
9
10
11
lognormal (skew=0.14)

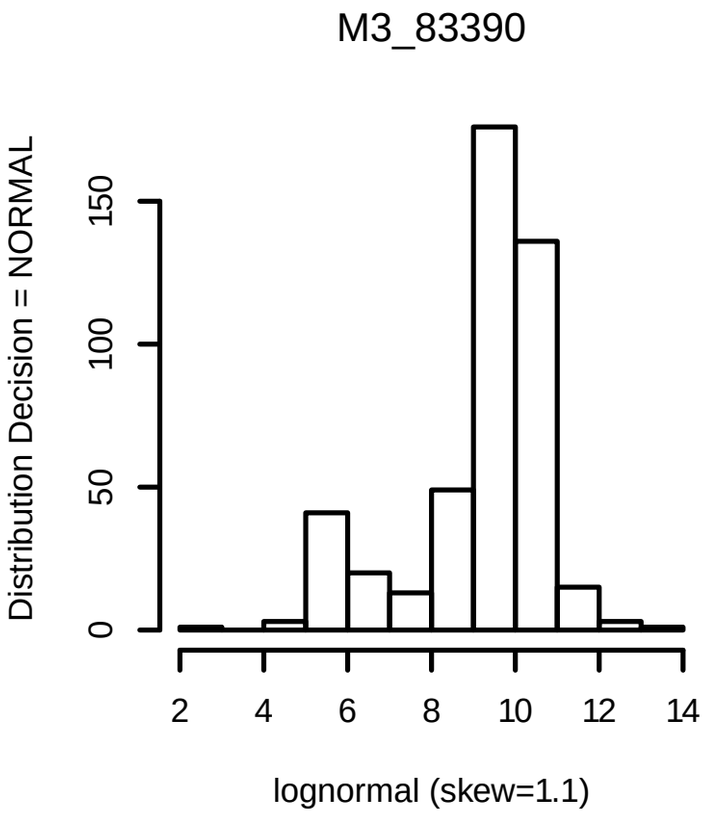

M3_23186
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0e+00
4e+04
8e+04
normal (skew=0.59)

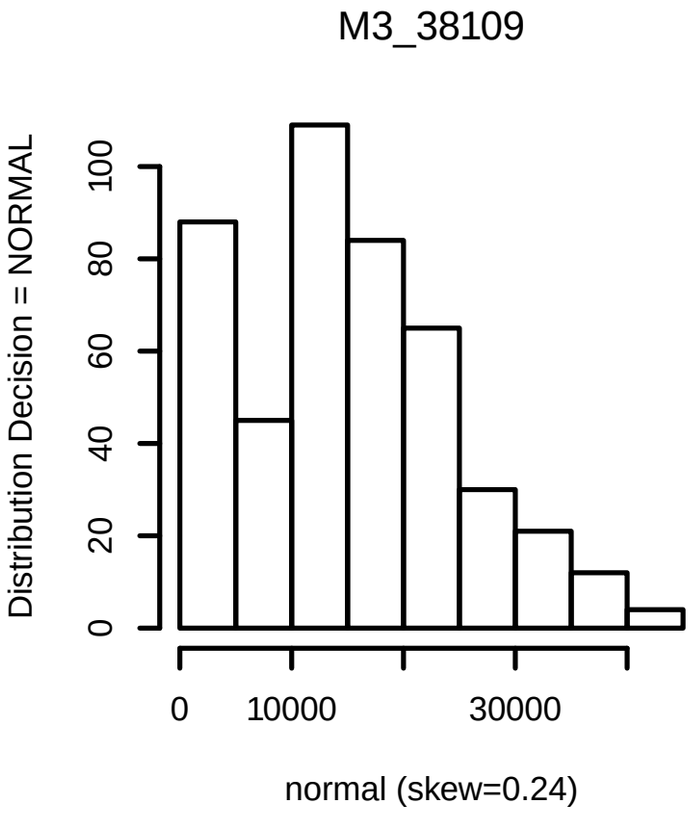

M3_23186
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
6
7
8
9
10
11
12
lognormal (skew=0)

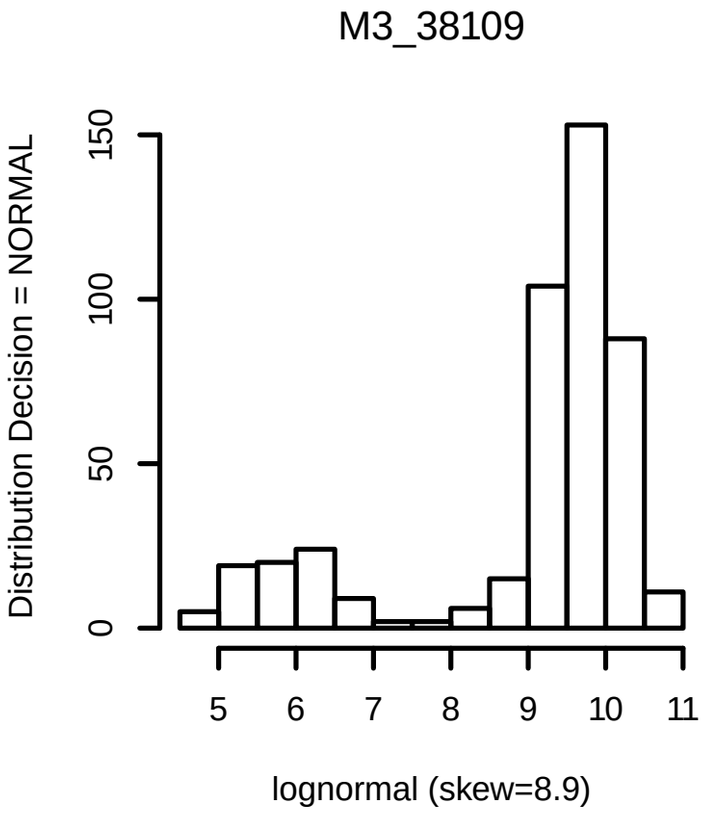

M3_13253
Distribution Decision = LOGNORMAL
0
50
100
150
0e+00
4e+04
8e+04
normal (skew=0.27)

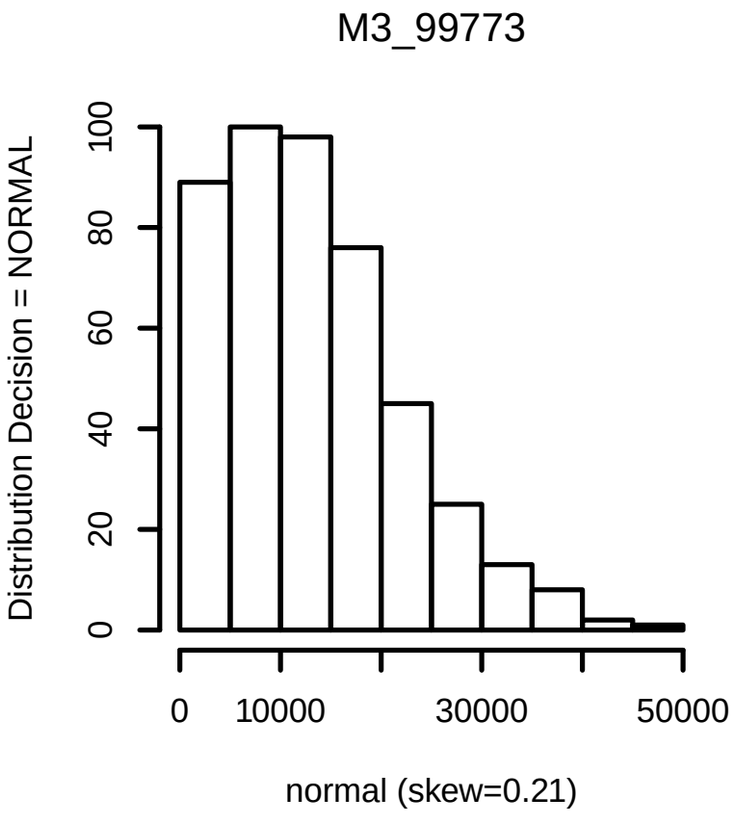

M3_13253
Distribution Decision = LOGNORMAL
0
20
40
60
80
6
7
8
9
10
11
lognormal (skew=0.045)

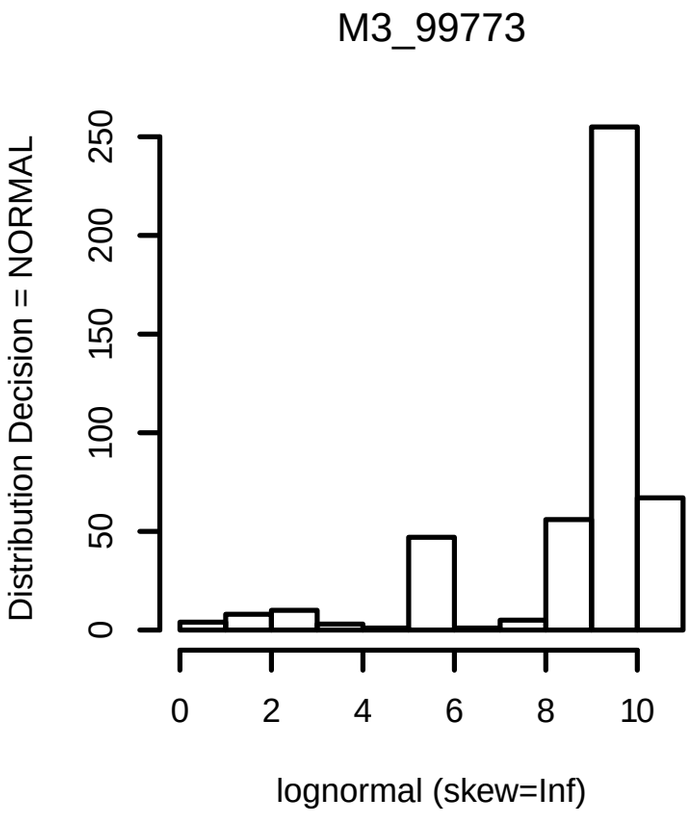

M3_83390
Distribution Decision = NORMAL
0
100
200
300
400
0e+00
2e+05
4e+05
normal (skew=1)

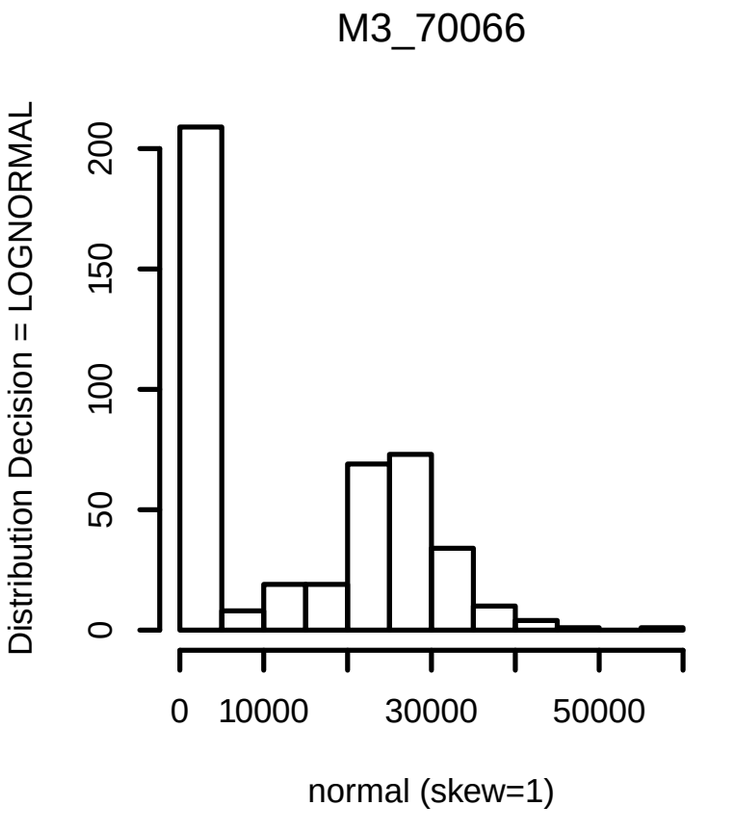

M3_83390
Distribution Decision = NORMAL
0
50
100
150
2
4
6
8
10
12
14
lognormal (skew=1.1)

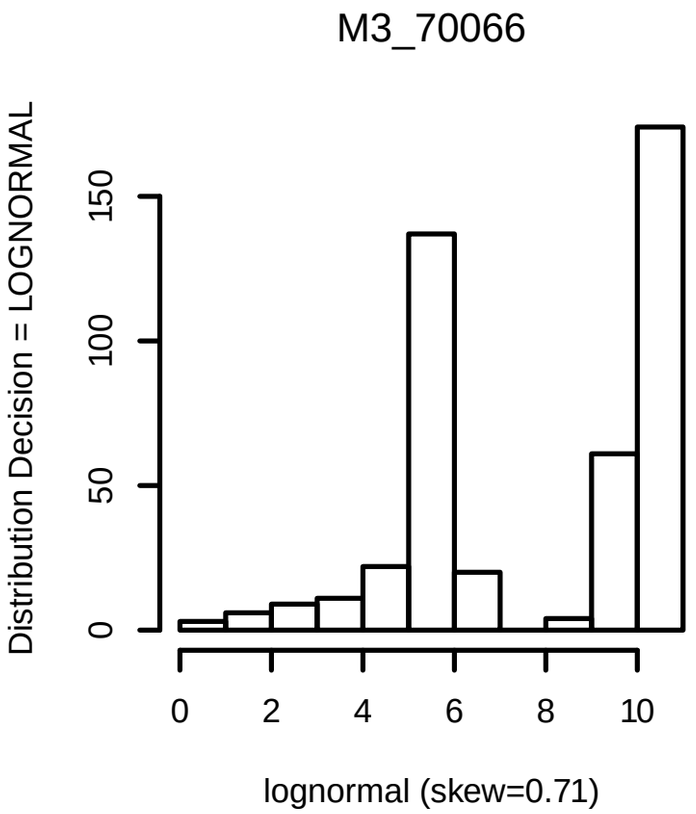

M3_38109
Distribution Decision = NORMAL
0
20
40
60
80
100
0
10000
30000
normal (skew=0.24)

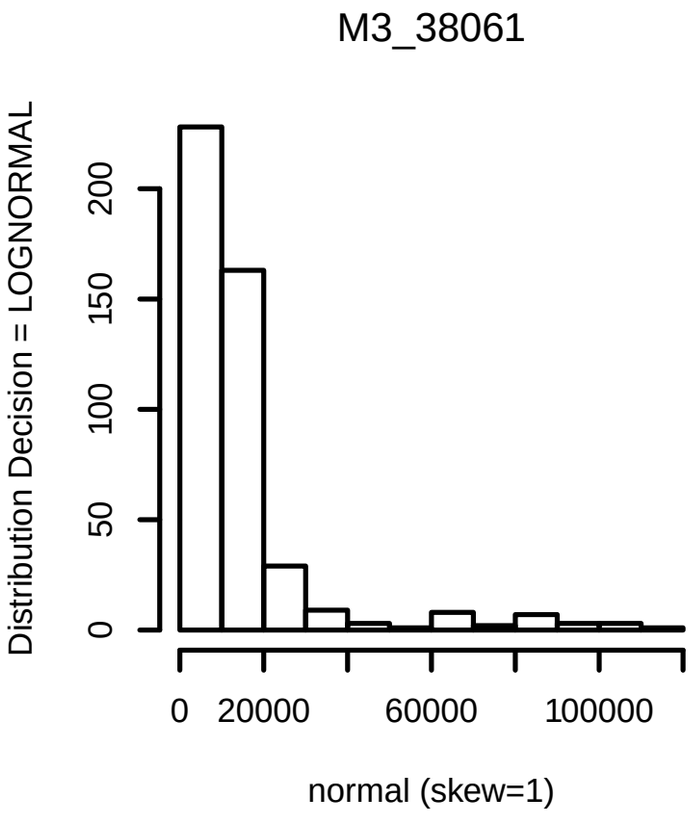

M3_38109
Distribution Decision = NORMAL
0
50
100
150
5
6
7
8
9
10
11
lognormal (skew=8.9)

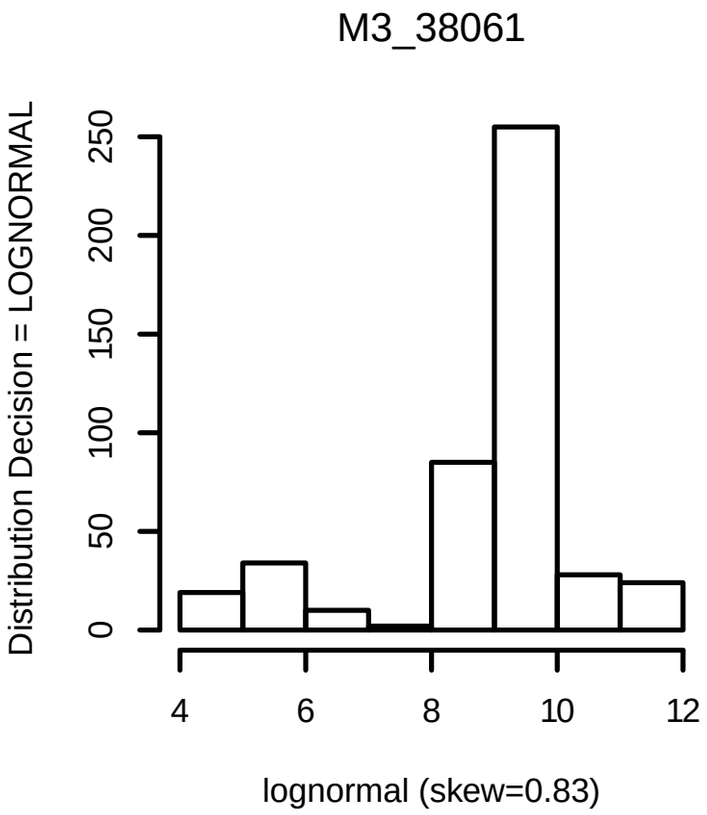

M3_99773
Distribution Decision = NORMAL
0
20
40
60
80
100
0
10000
30000
50000
normal (skew=0.21)

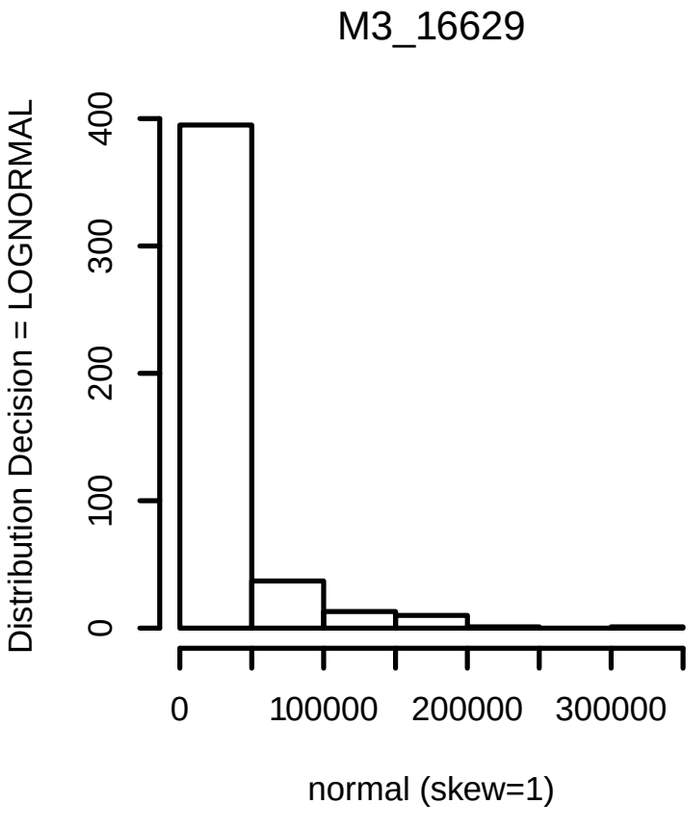

M3_99773
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
10
lognormal (skew=Inf)

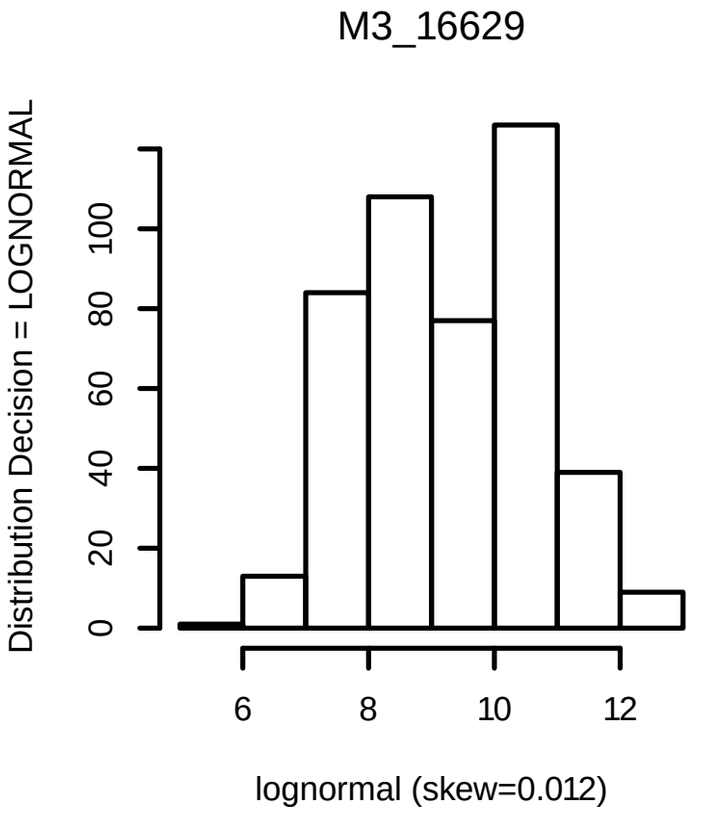

M3_70066
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
10000
30000
50000
normal (skew=1)

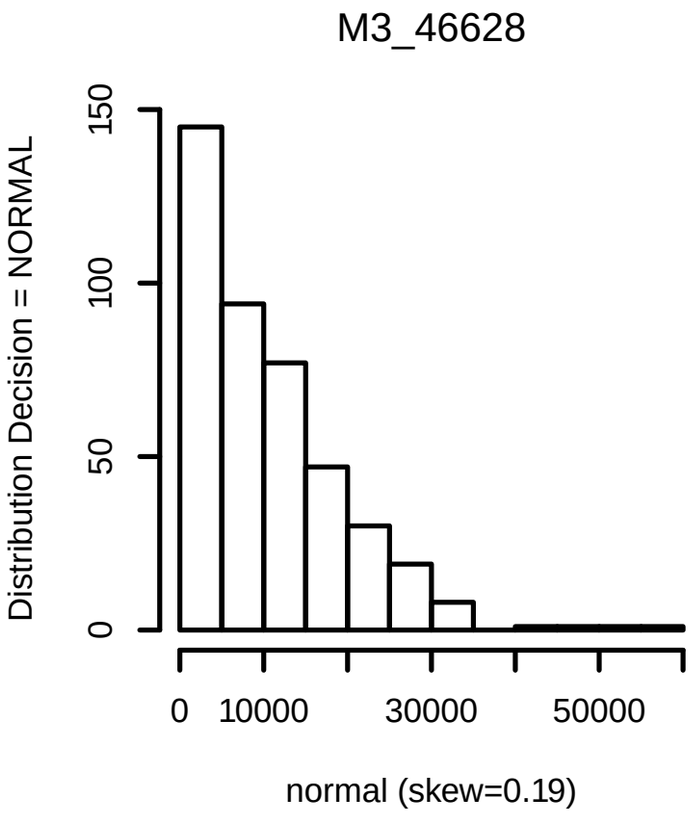

M3_70066
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.71)

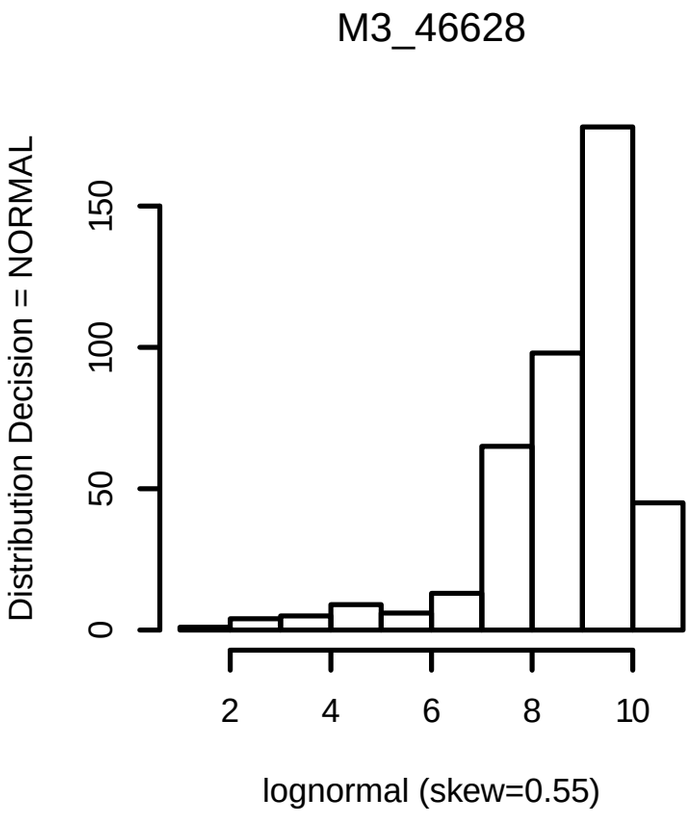

M3_38061
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
20000
60000
100000
normal (skew=1)

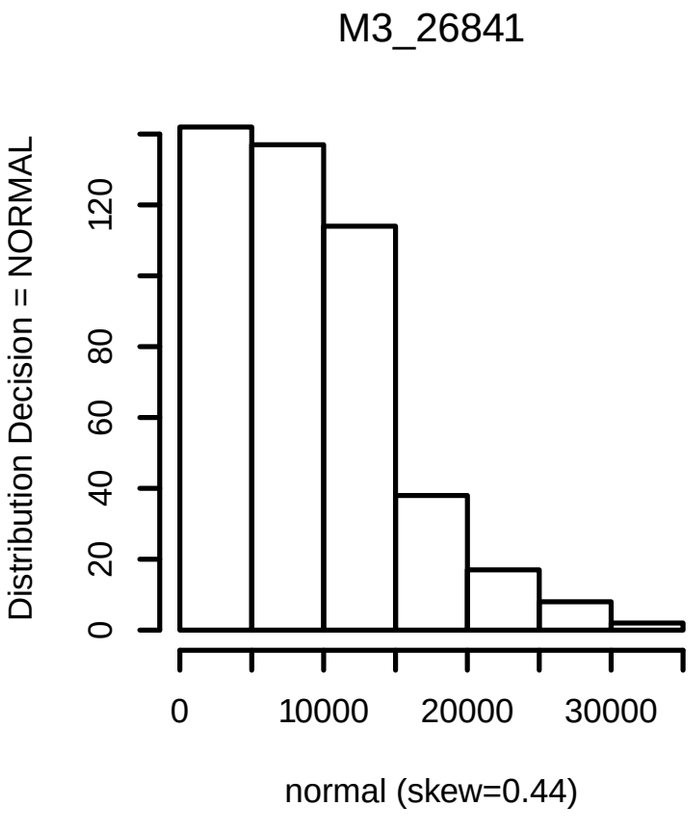

M3_38061
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
4
6
8
10
12
lognormal (skew=0.83)

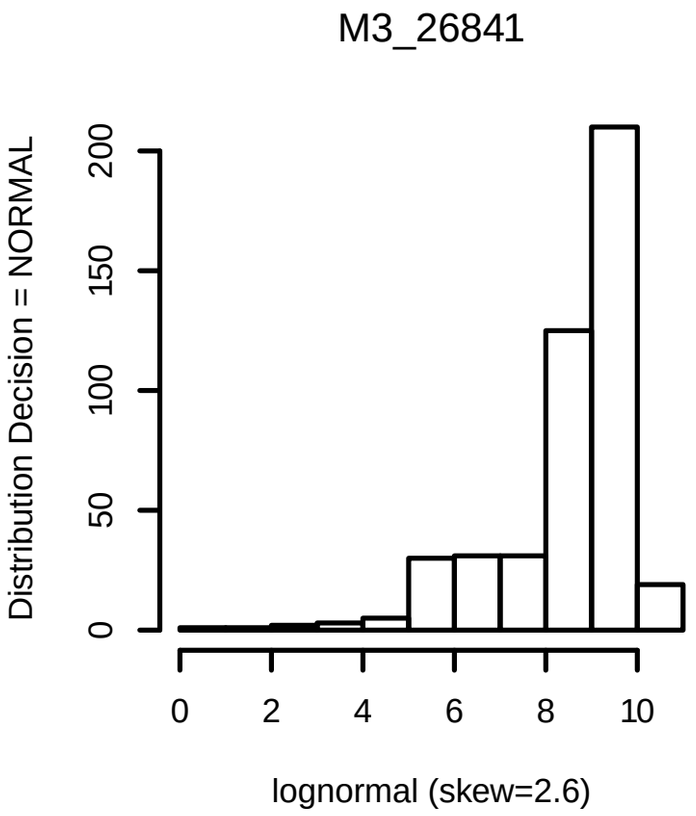

M3_16629
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
100000
200000
300000
normal (skew=1)

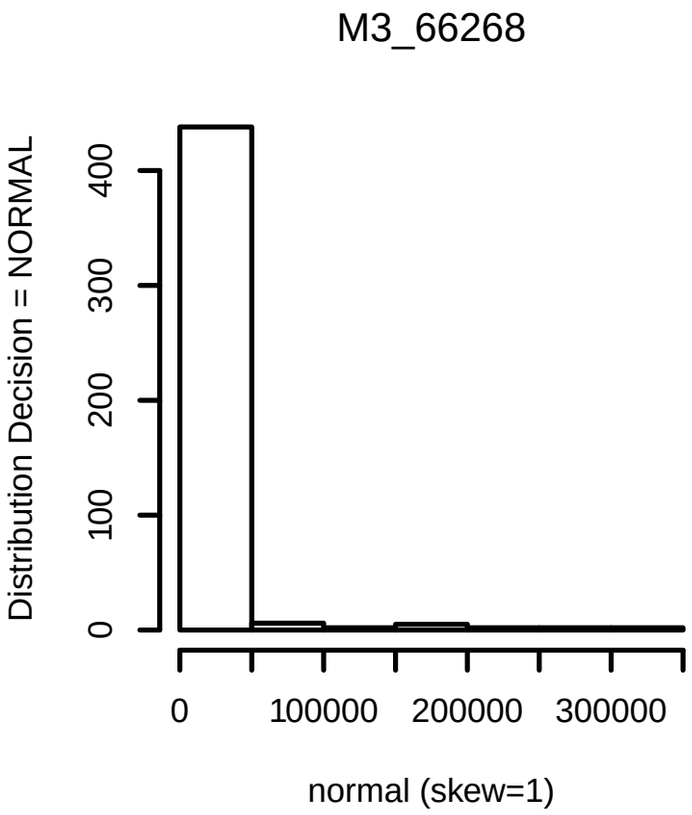

M3_16629
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
6
8
10
12
lognormal (skew=0.012)

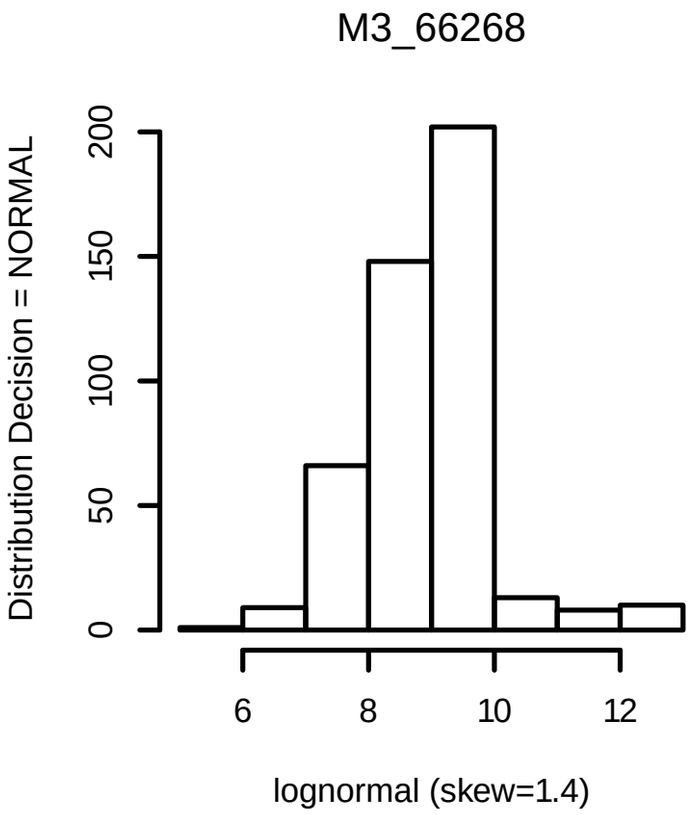

M3_46628
Distribution Decision = NORMAL
0
50
100
150
0
10000
30000
50000
normal (skew=0.19)

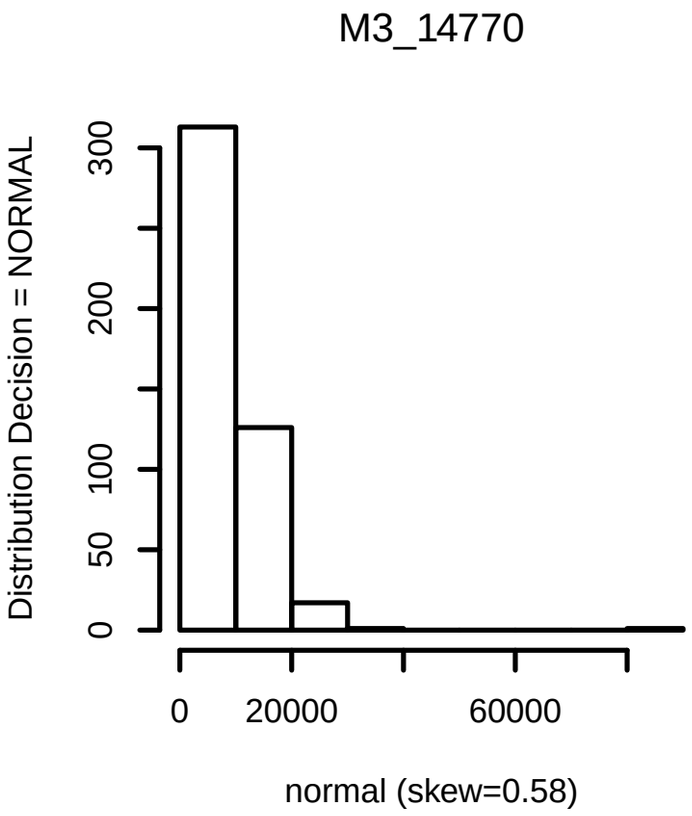

M3_46628
Distribution Decision = NORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.55)

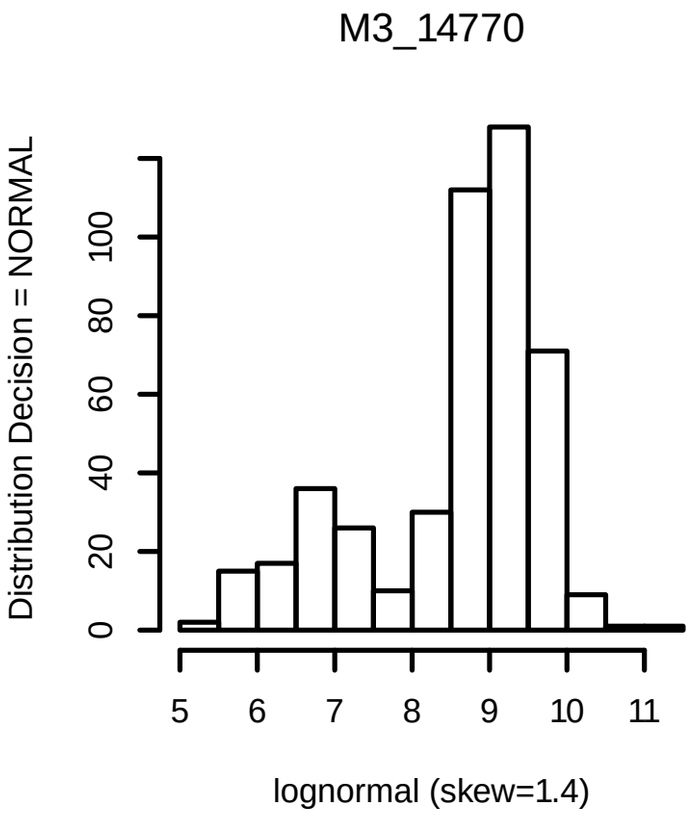

M3_26841
Distribution Decision = NORMAL
0
20
40
60
80
120
0
10000
20000
30000
normal (skew=0.44)

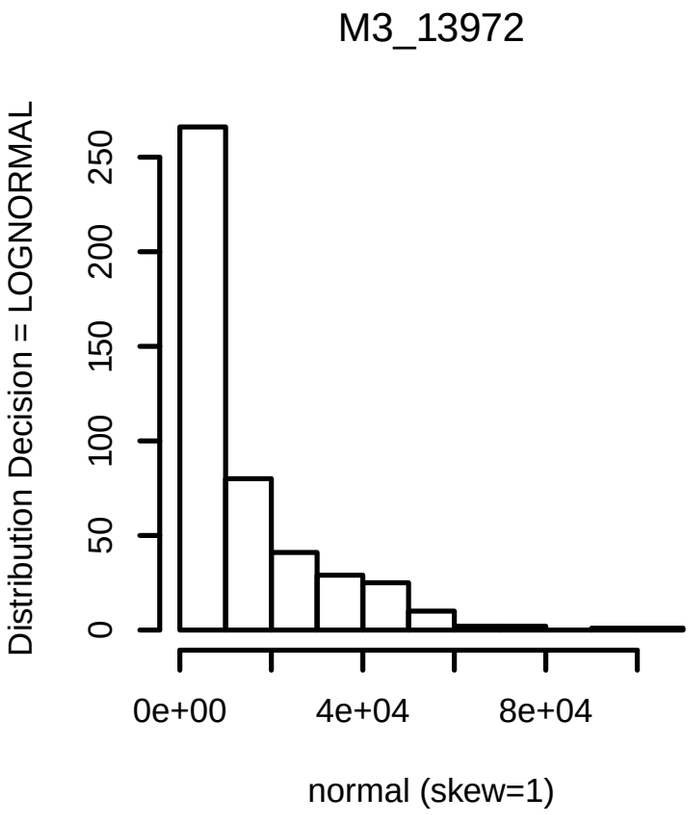

M3_26841
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=2.6)

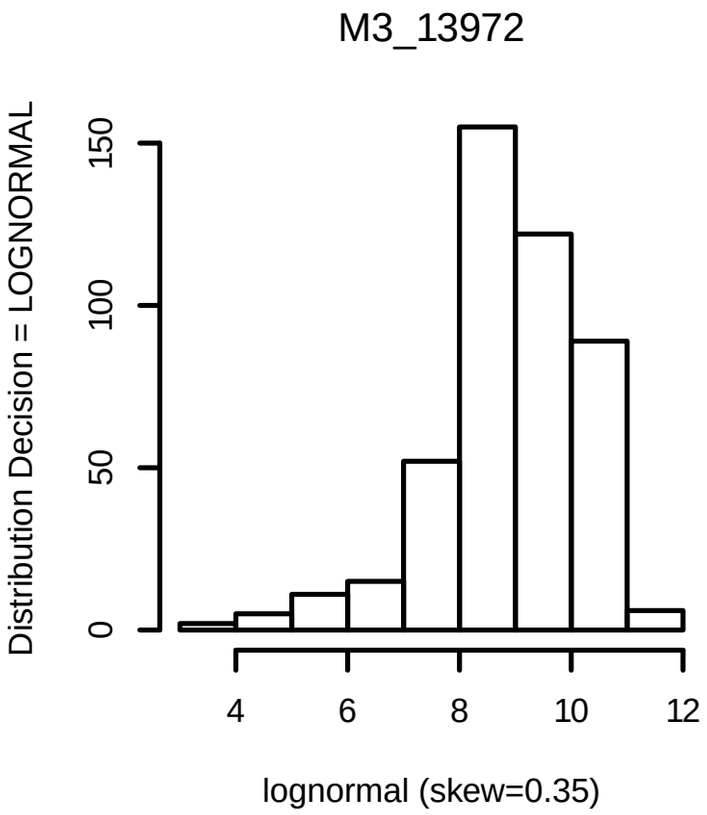

M3_66268
Distribution Decision = NORMAL
0
100
200
300
400
0
100000
200000
300000
normal (skew=1)

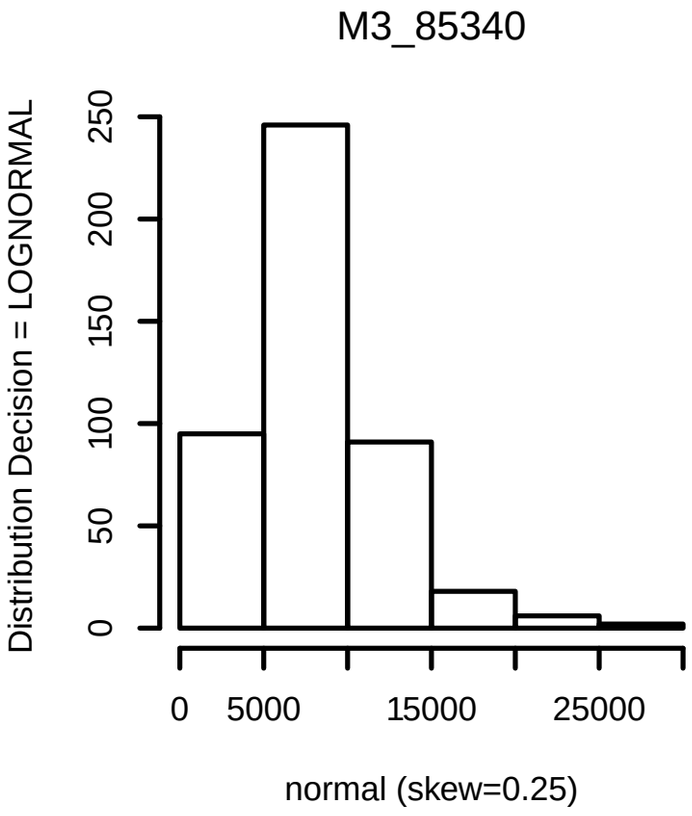

M3_66268
Distribution Decision = NORMAL
0
50
100
150
200
6
8
10
12
lognormal (skew=1.4)

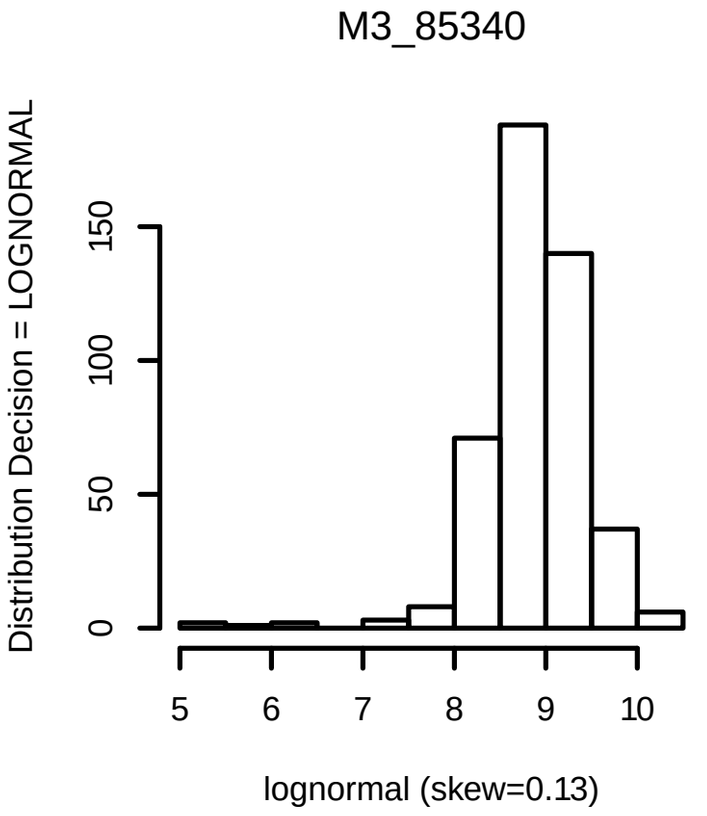

M3_14770
Distribution Decision = NORMAL
0
50
100
200
300
0
20000
60000
normal (skew=0.58)

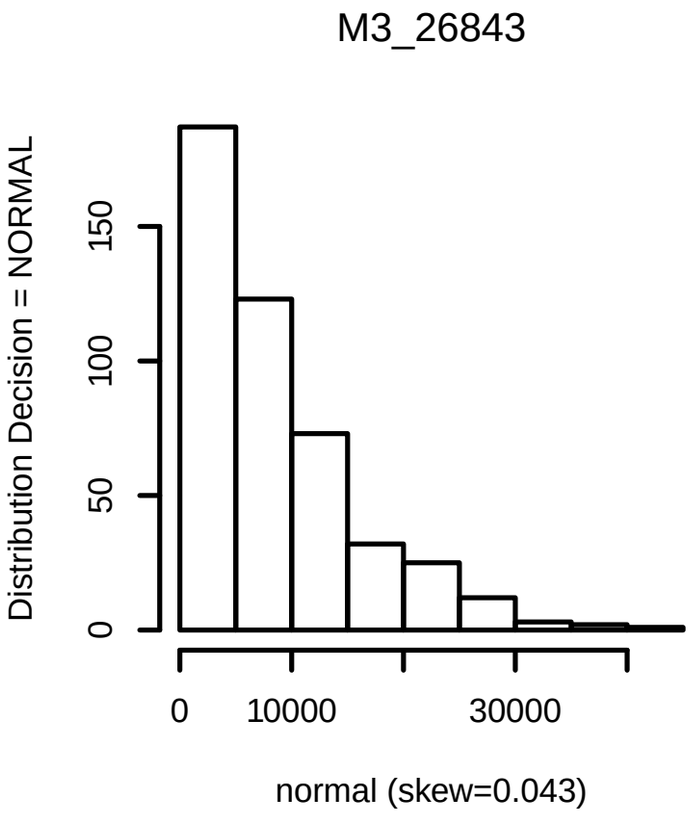

M3_14770
Distribution Decision = NORMAL
0
20
40
60
80
100
5
6
7
8
9
10
11
lognormal (skew=1.4)

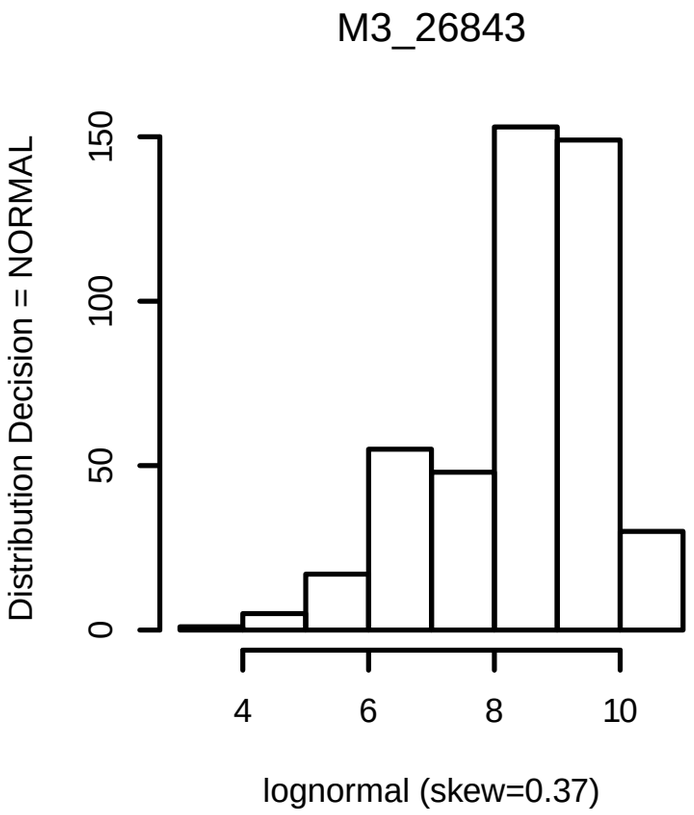

M3_13972
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0e+00
4e+04
8e+04
normal (skew=1)

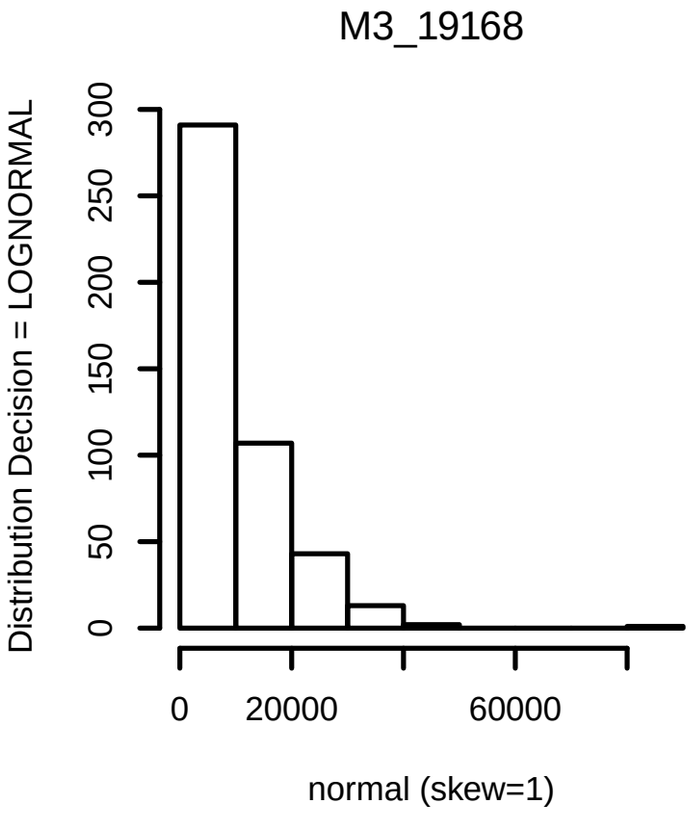

M3_13972
Distribution Decision = LOGNORMAL
0
50
100
150
4
6
8
10
12
lognormal (skew=0.35)

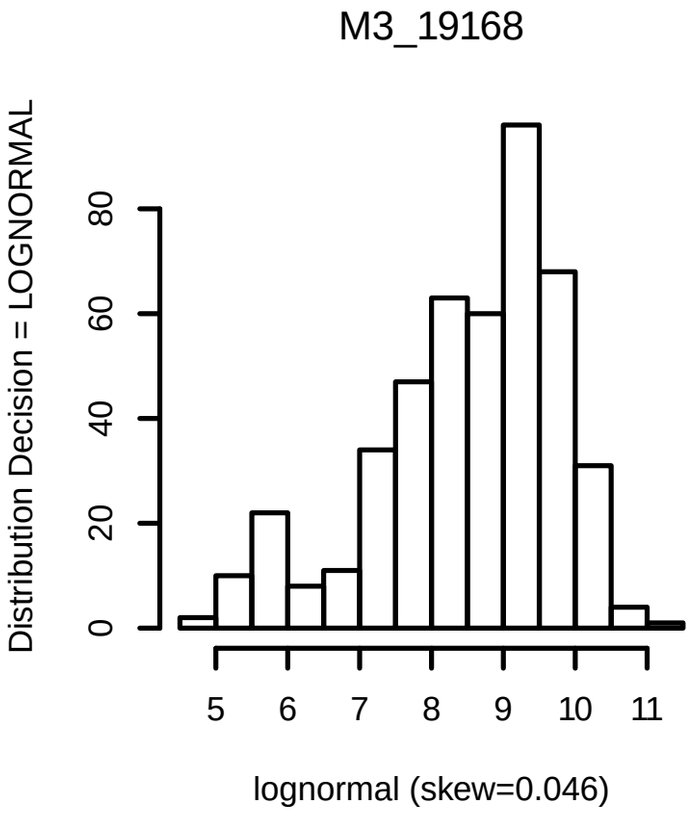

M3_85340
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
15000
25000
normal (skew=0.25)

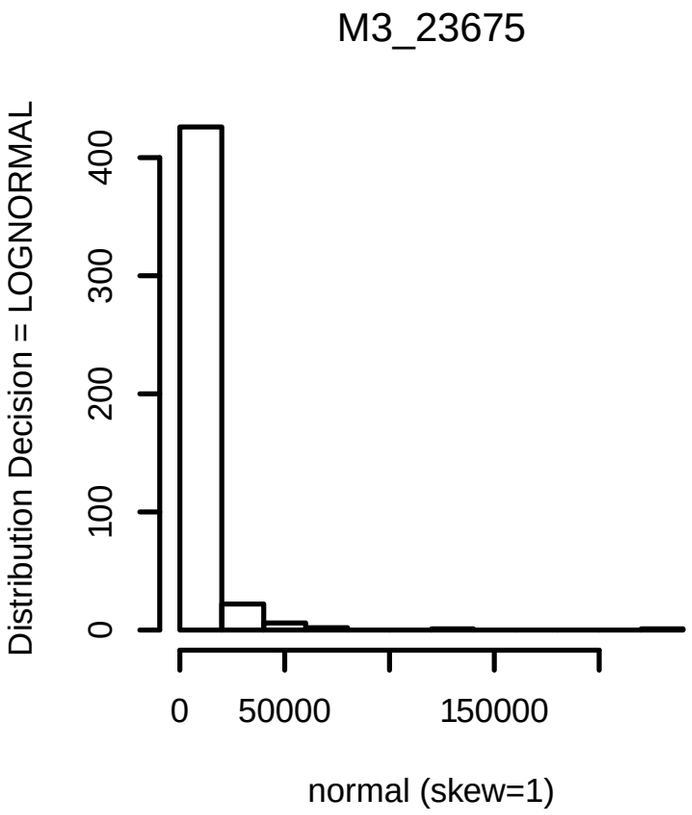

M3_85340
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
10
lognormal (skew=0.13)

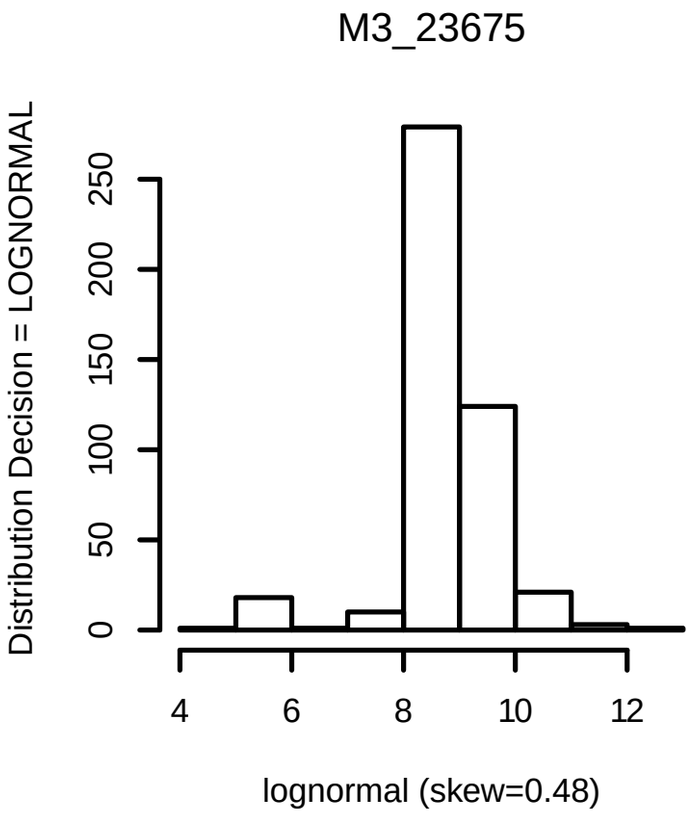

M3_26843
Distribution Decision = NORMAL
0
50
100
150
0
10000
30000
normal (skew=0.043)

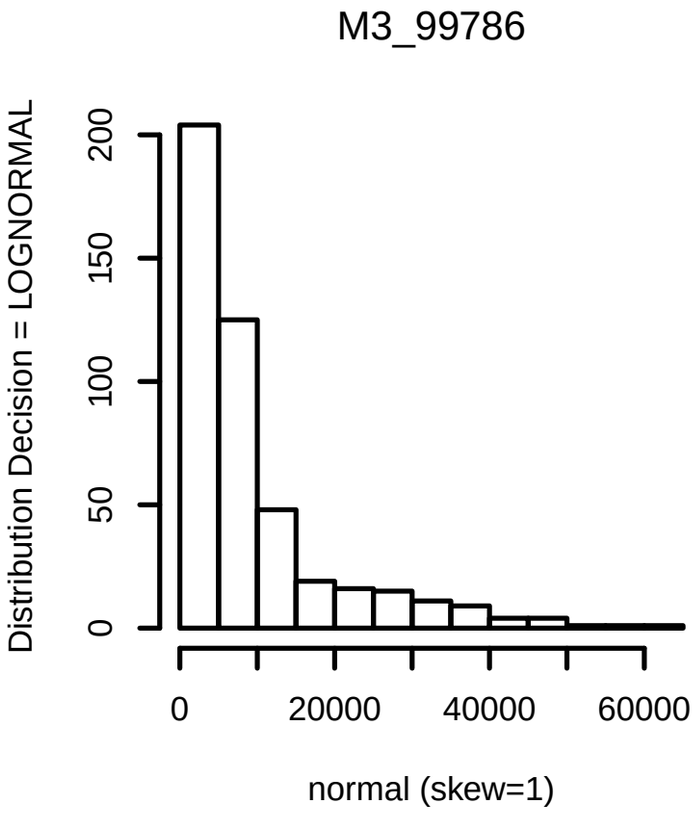

M3_26843
Distribution Decision = NORMAL
0
50
100
150
4
6
8
10
lognormal (skew=0.37)

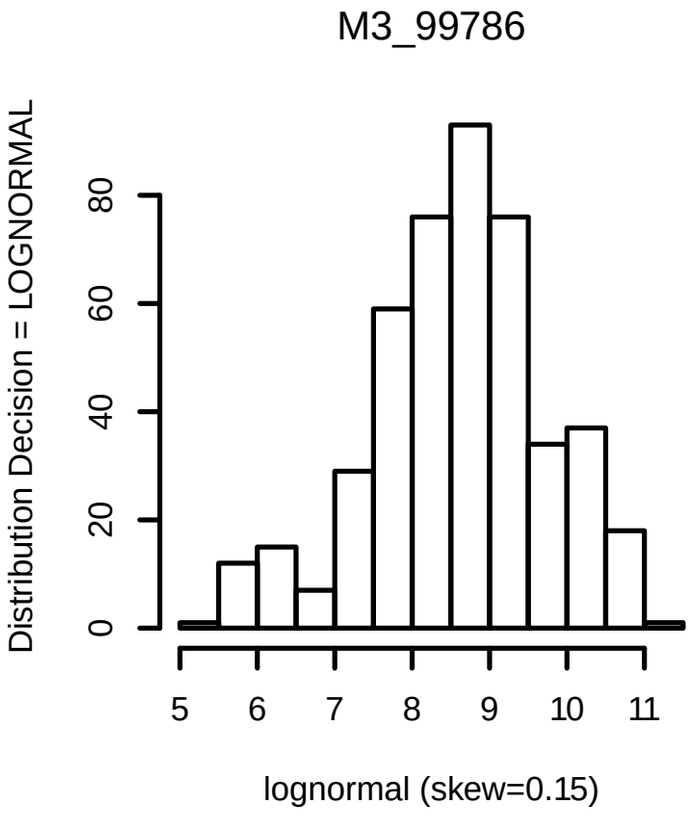

M3_19168
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
20000
60000
normal (skew=1)

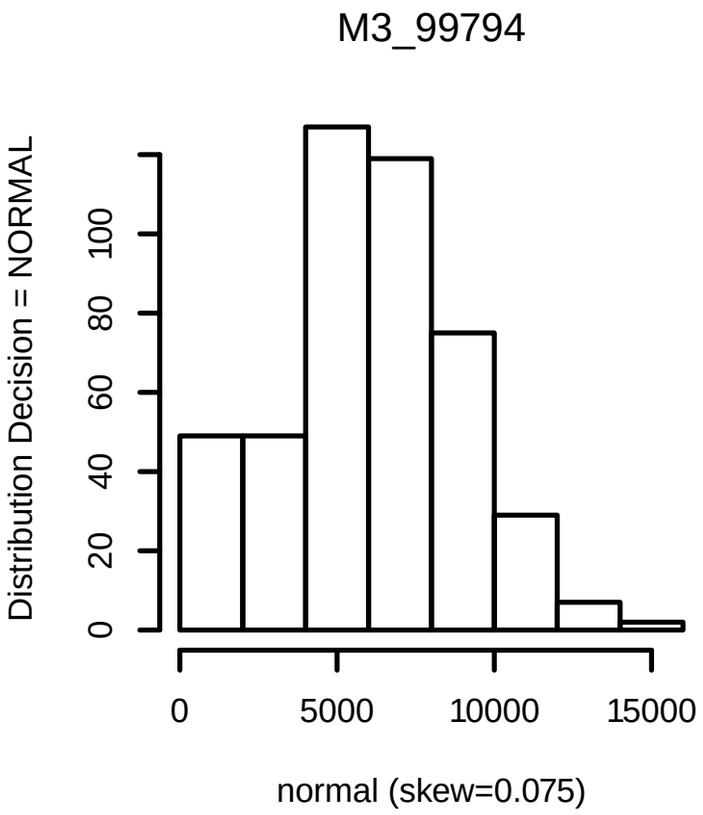

M3_19168
Distribution Decision = LOGNORMAL
0
20
40
60
80
5
6
7
8
9
10
11
lognormal (skew=0.046)

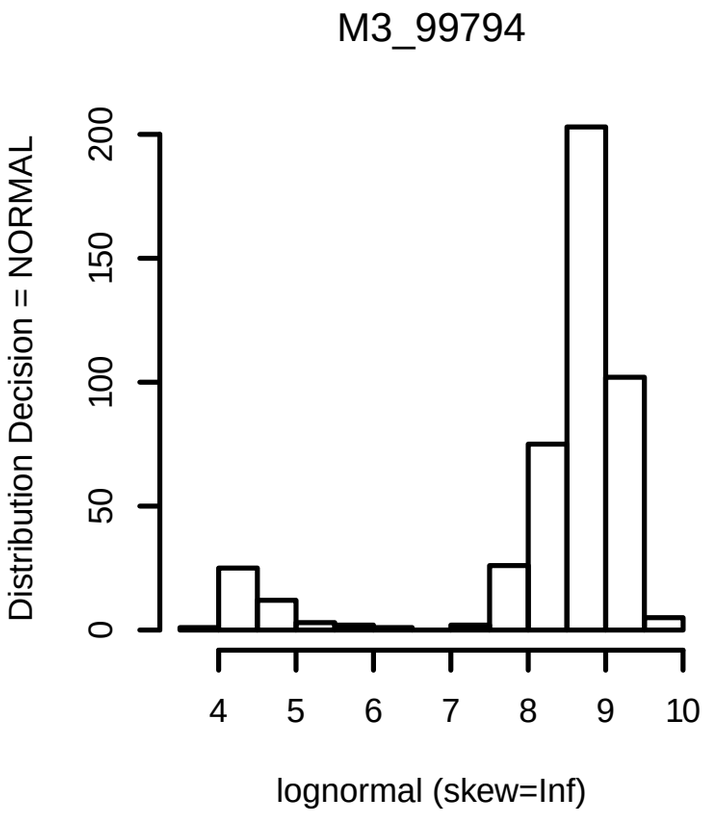

M3_23675
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
50000
150000
normal (skew=1)

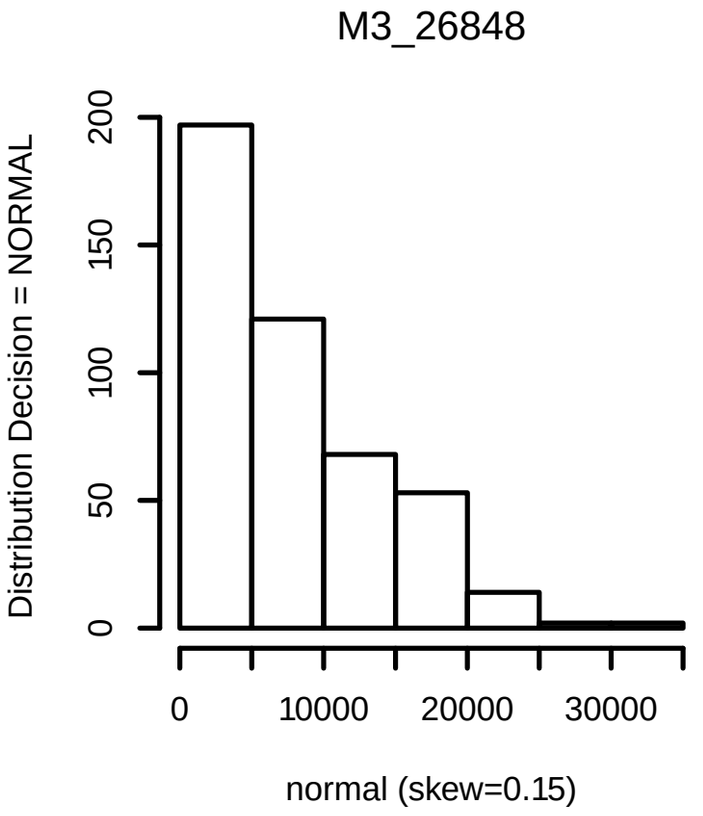

M3_23675
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
4
6
8
10
12
lognormal (skew=0.48)

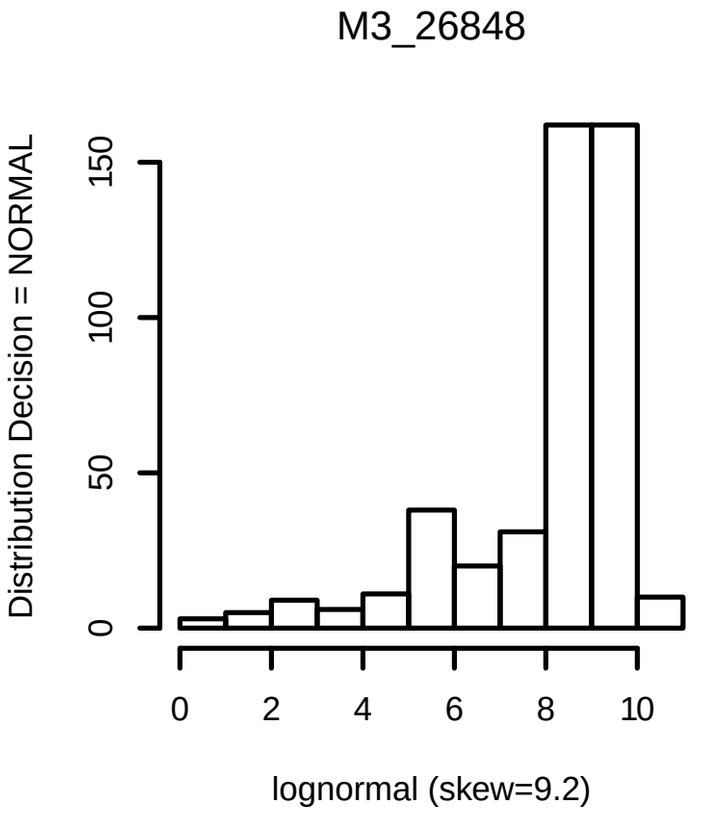

M3_99786
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
20000
40000
60000
normal (skew=1)

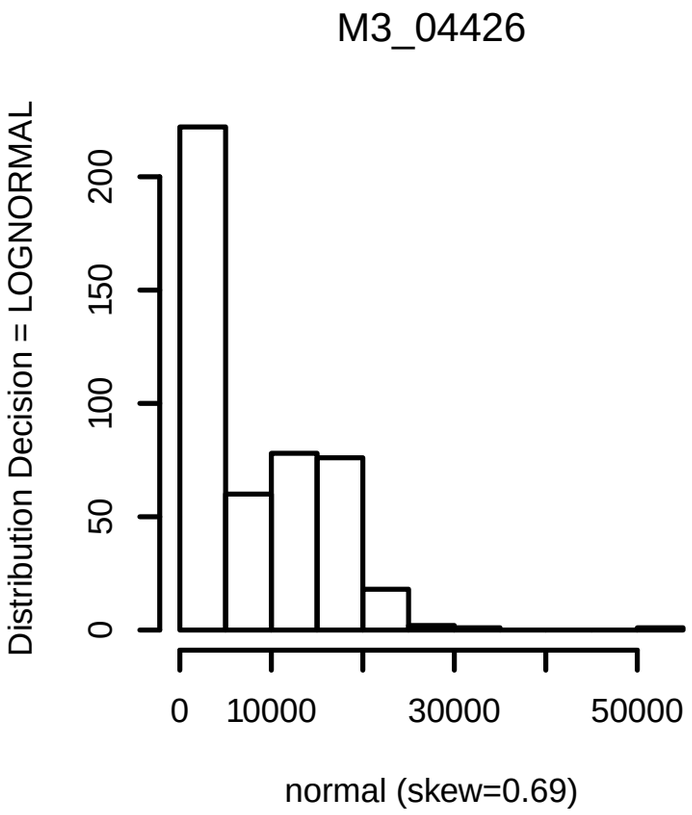

M3_99786
Distribution Decision = LOGNORMAL
0
20
40
60
80
5
6
7
8
9
10
11
lognormal (skew=0.15)

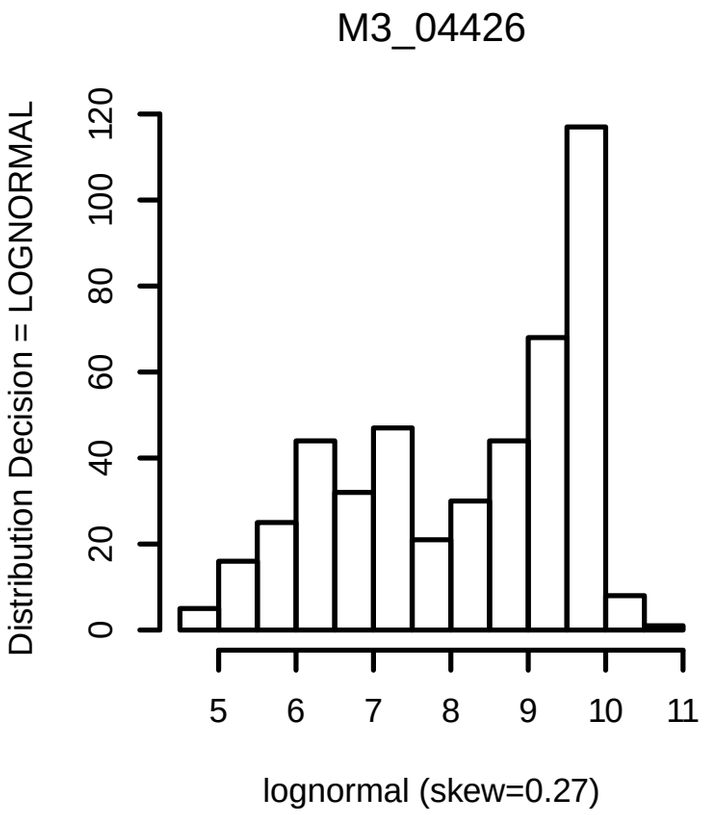

M3_99794
Distribution Decision = NORMAL
0
20
40
60
80
100
0
5000
10000
15000
normal (skew=0.075)

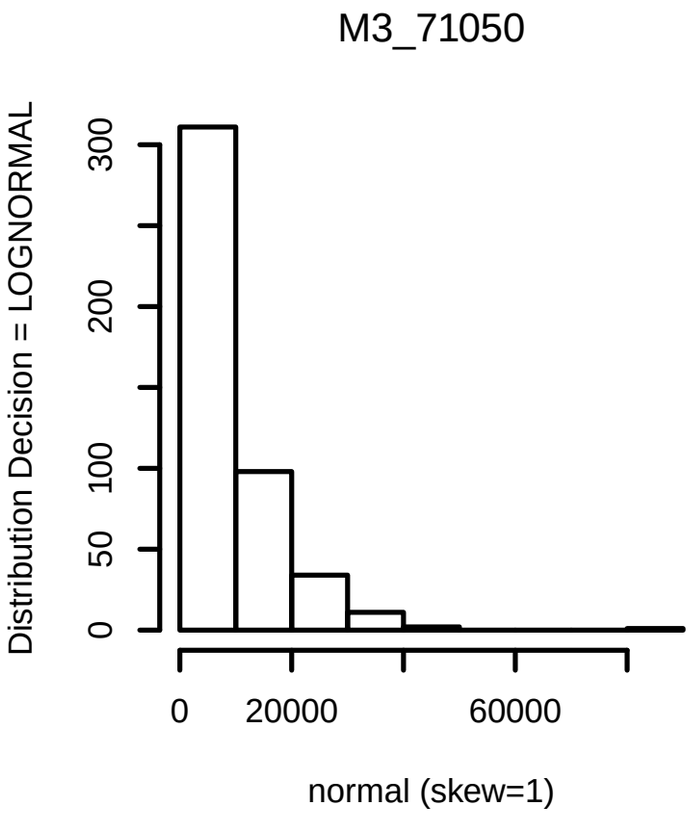

M3_99794
Distribution Decision = NORMAL
0
50
100
150
200
4
5
6
7
8
9
10
lognormal (skew=Inf)

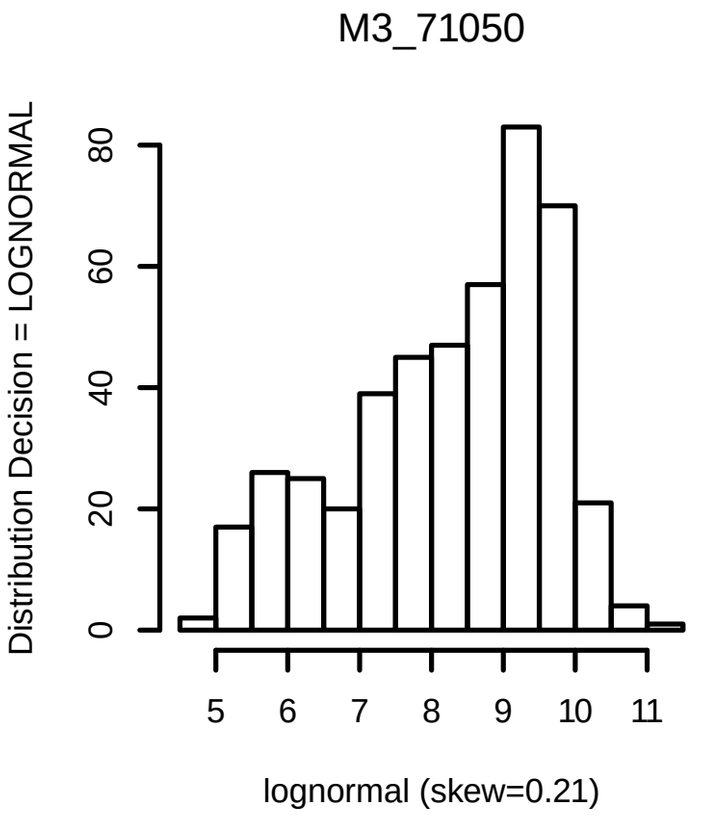

M3_26848
Distribution Decision = NORMAL
0
50
100
150
200
0
10000
20000
30000
normal (skew=0.15)

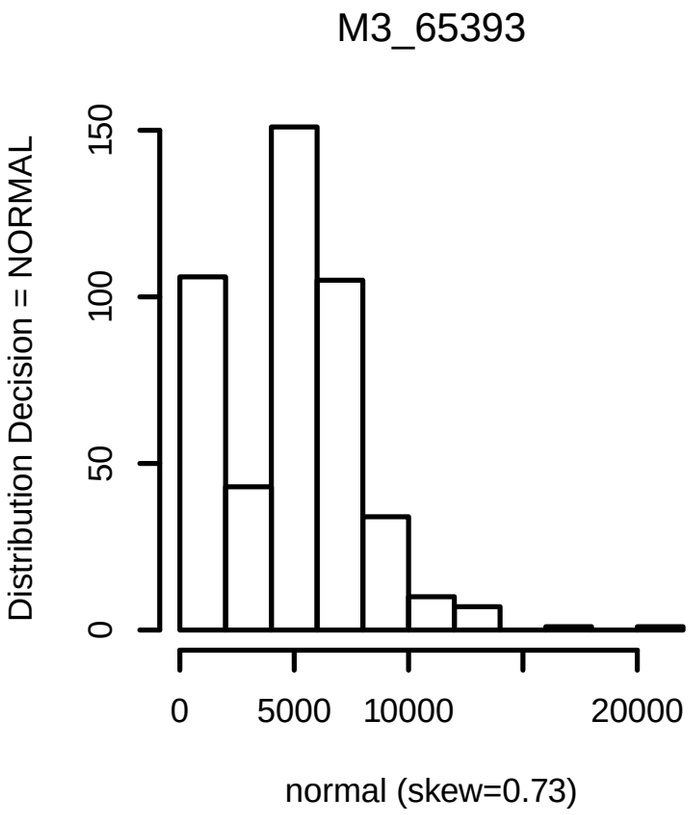

M3_26848
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=9.2)

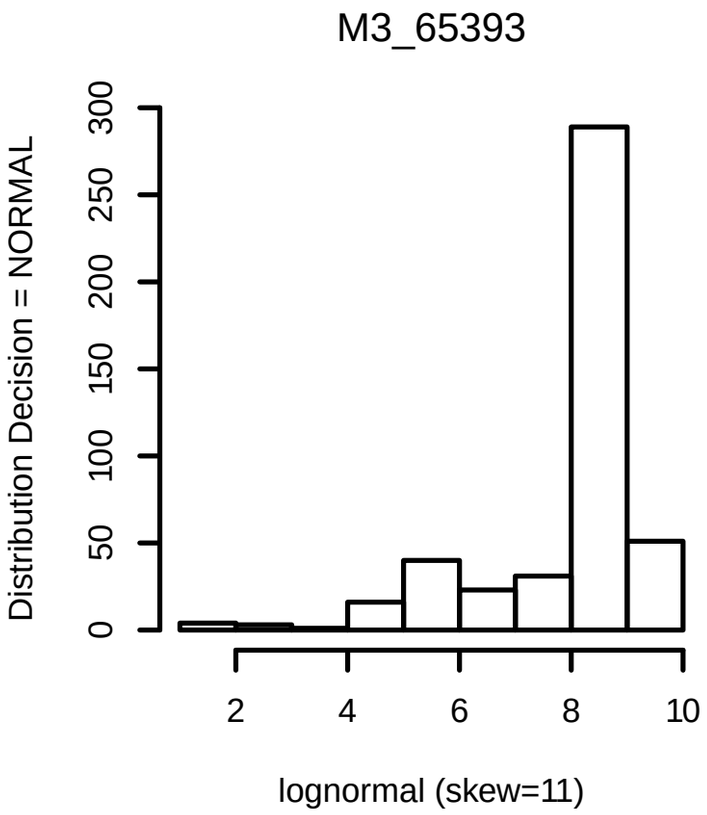

M3_04426
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
10000
30000
50000
normal (skew=0.69)

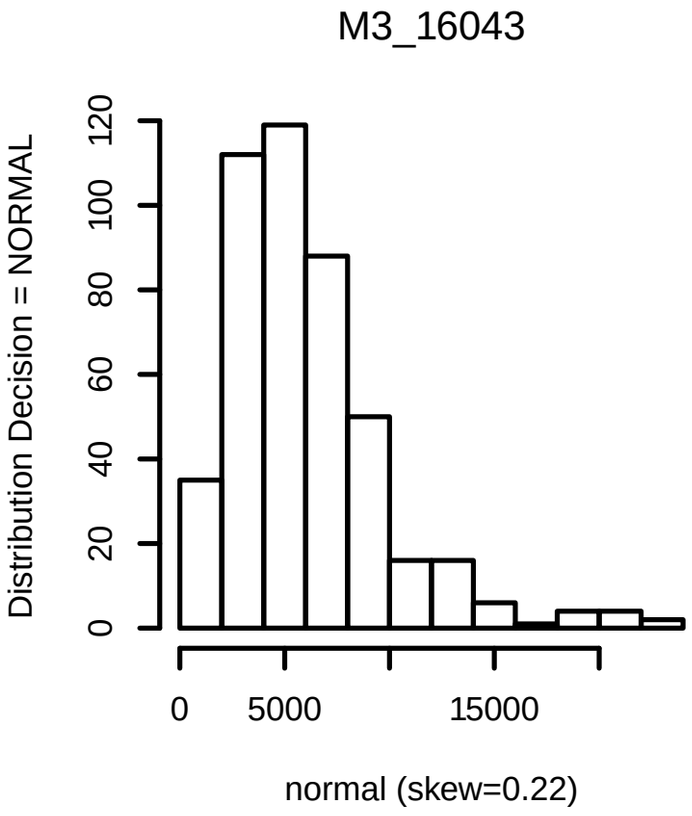

M3_04426
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
5
6
7
8
9
10
11
lognormal (skew=0.27)

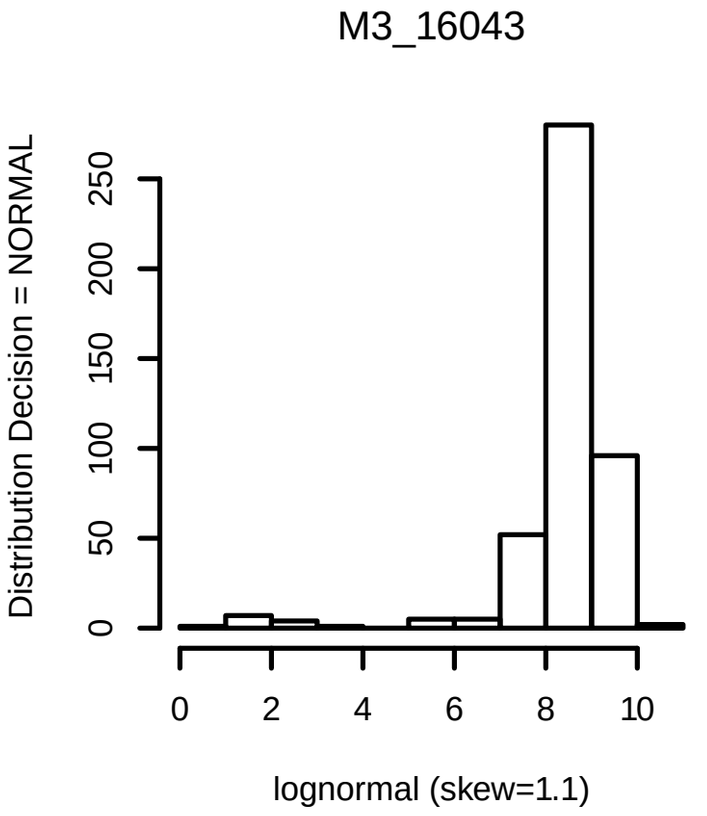

M3_71050
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
20000
60000
normal (skew=1)

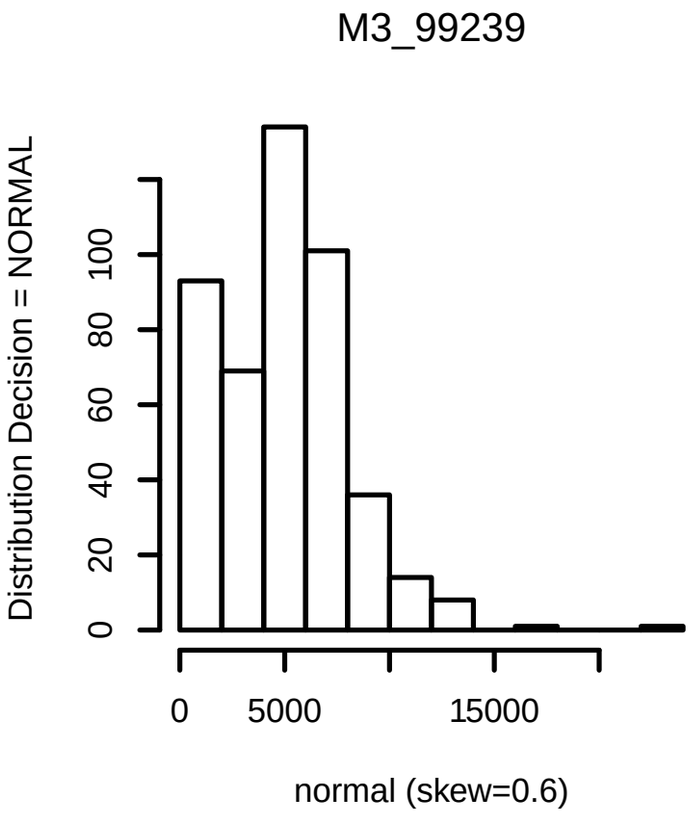

M3_71050
Distribution Decision = LOGNORMAL
0
20
40
60
80
5
6
7
8
9
10
11
lognormal (skew=0.21)

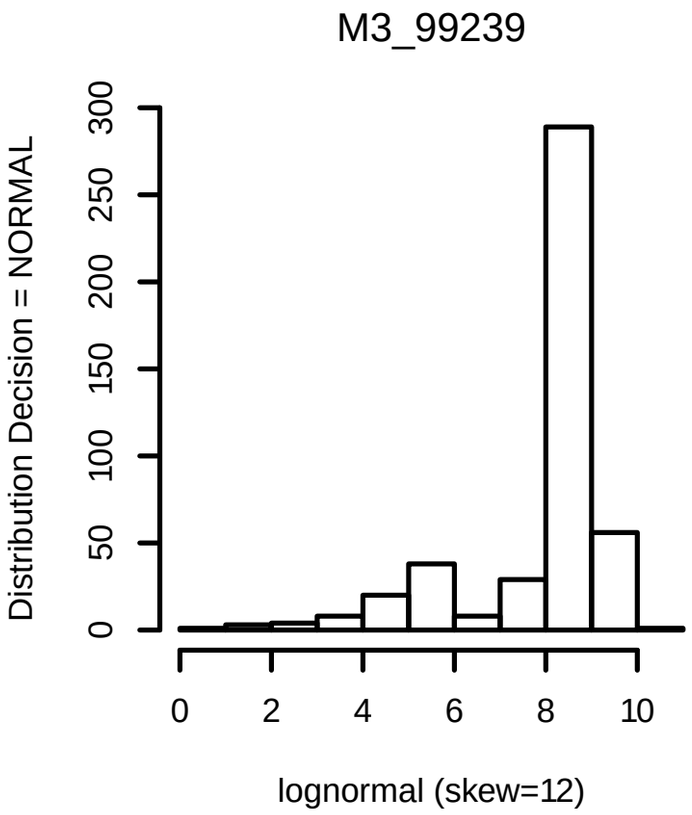

M3_65393
Distribution Decision = NORMAL
0
50
100
150
0
5000
10000
20000
normal (skew=0.73)

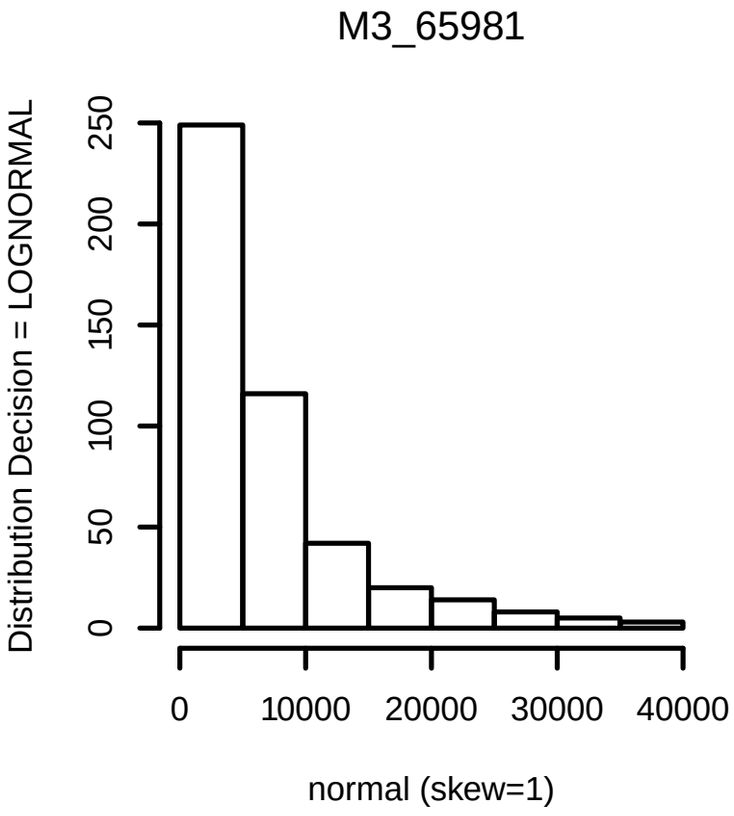

M3_65393
Distribution Decision = NORMAL
0
50
100
150
200
250
300
2
4
6
8
10
lognormal (skew=11)

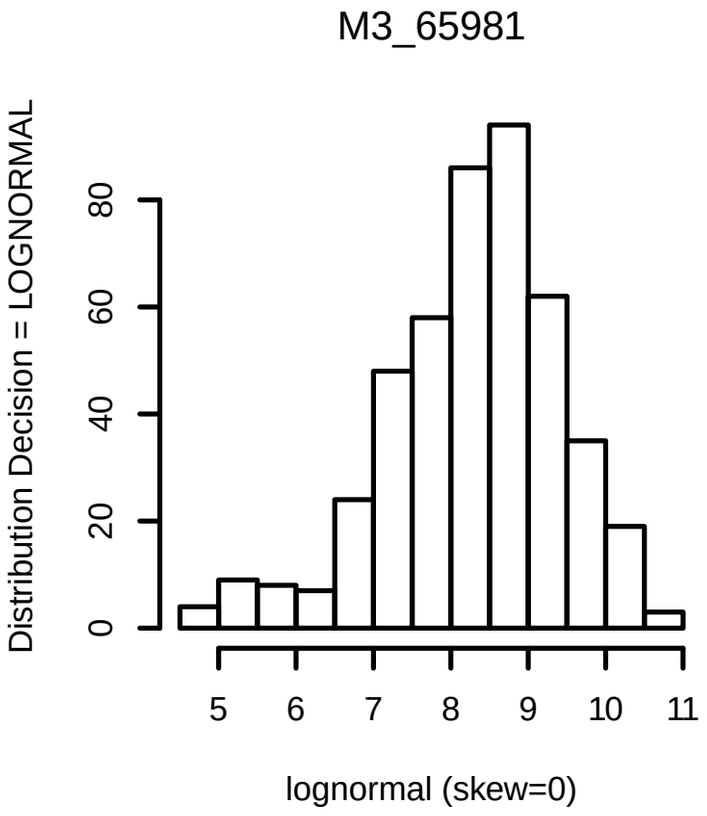

M3_16043
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
5000
15000
normal (skew=0.22)

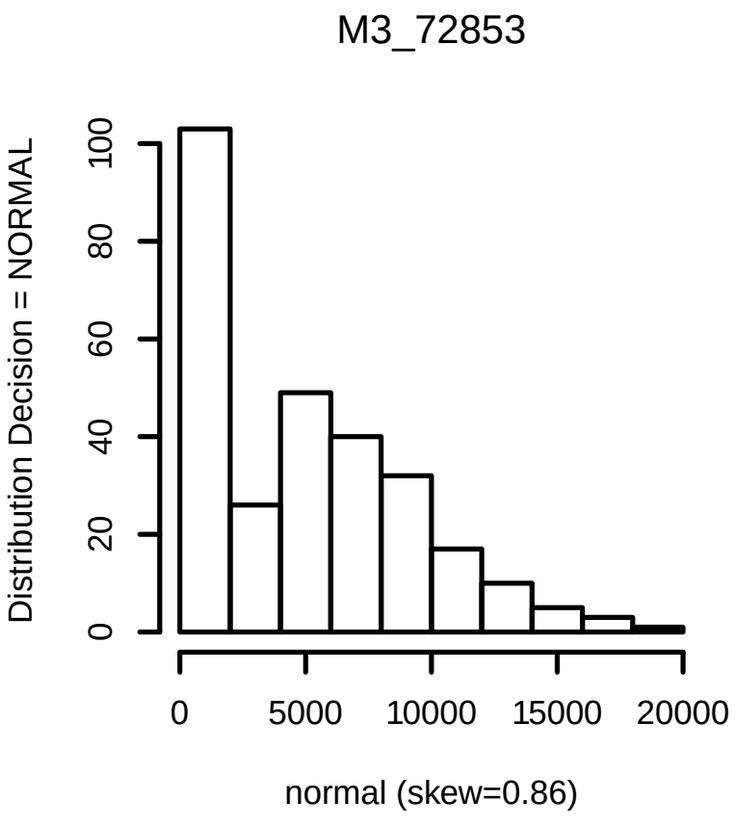

M3_16043
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
10
lognormal (skew=1.1)

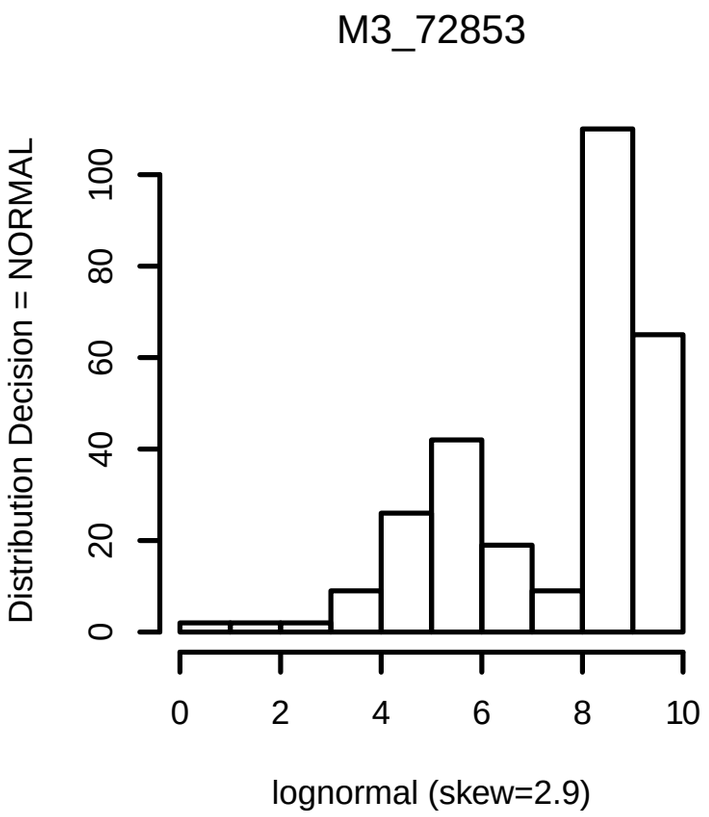

M3_99239
Distribution Decision = NORMAL
0
20
40
60
80
100
0
5000
15000
normal (skew=0.6)

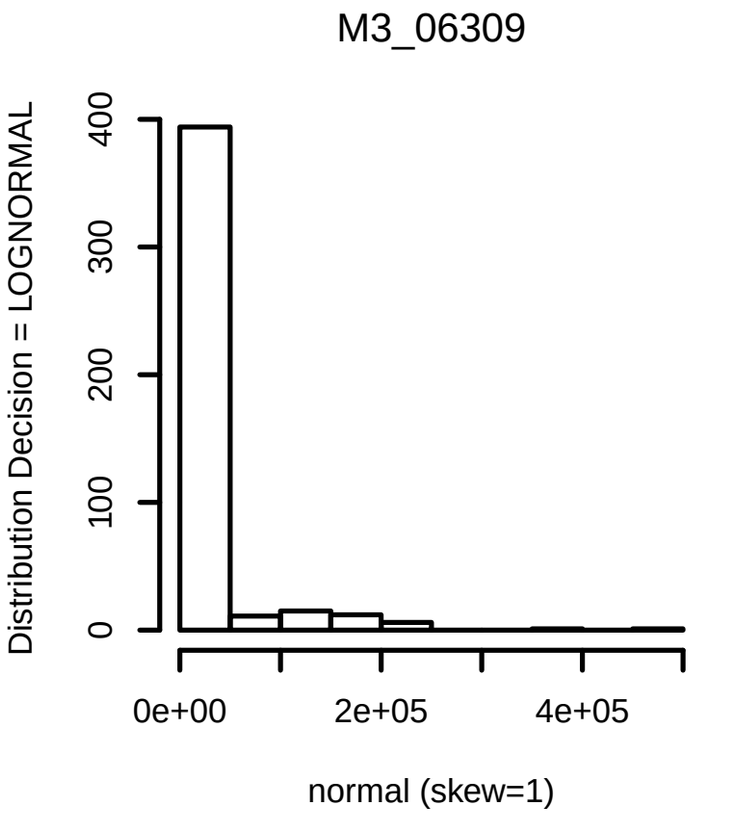

M3_99239
Distribution Decision = NORMAL
0
50
100
150
200
250
300
0
2
4
6
8
10
lognormal (skew=12)

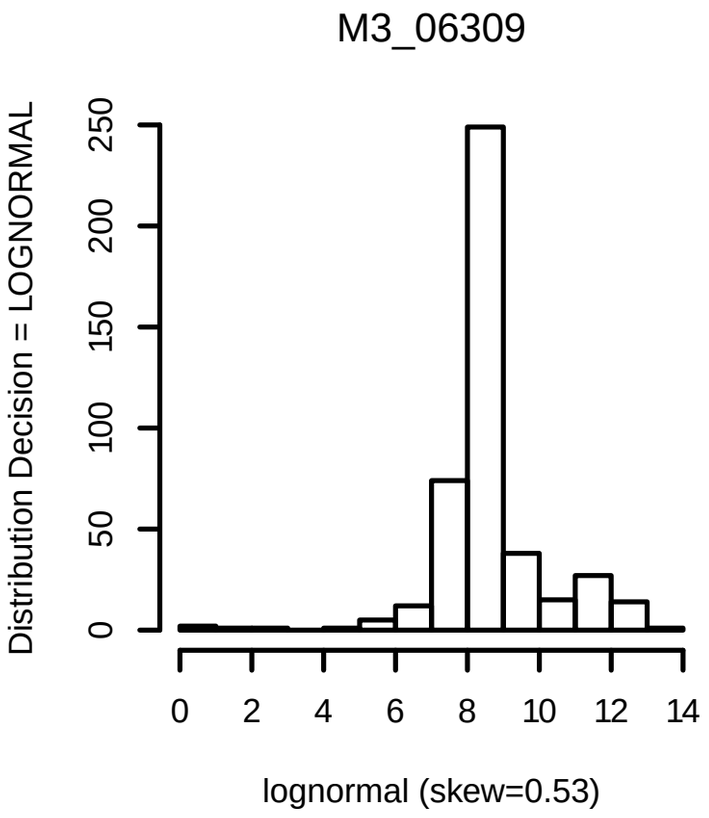

M3_65981
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
10000
20000
30000
40000
normal (skew=1)

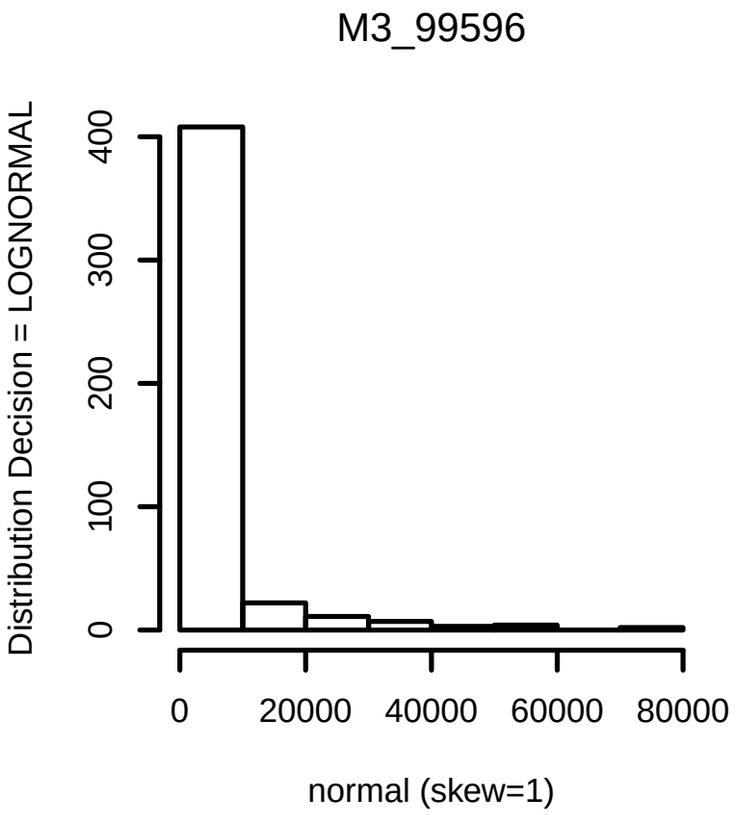

M3_65981
Distribution Decision = LOGNORMAL
0
20
40
60
80
5
6
7
8
9
10
11
lognormal (skew=0)

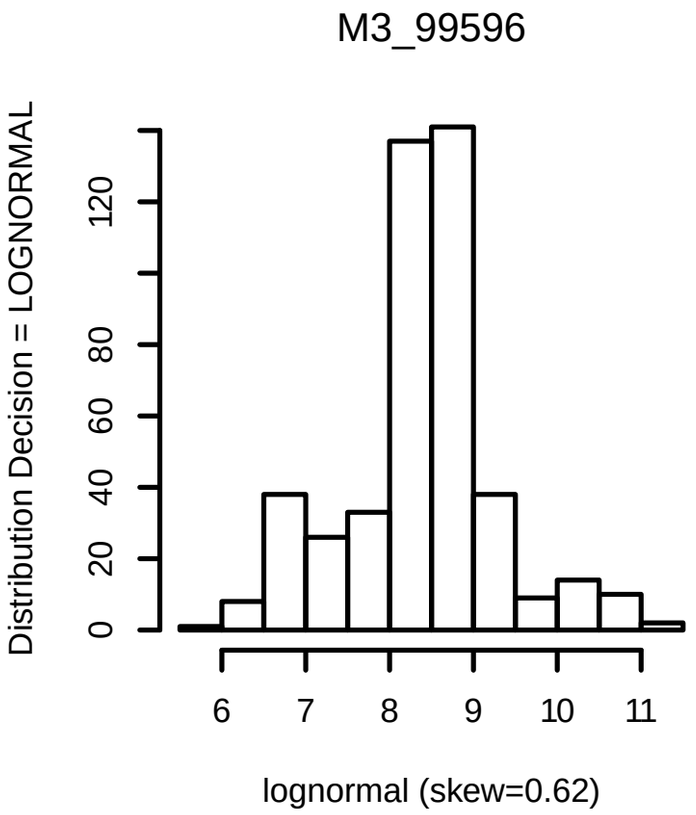

M3_72853
Distribution Decision = NORMAL
0
20
40
60
80
100
0
5000
10000
15000
20000
normal (skew=0.86)

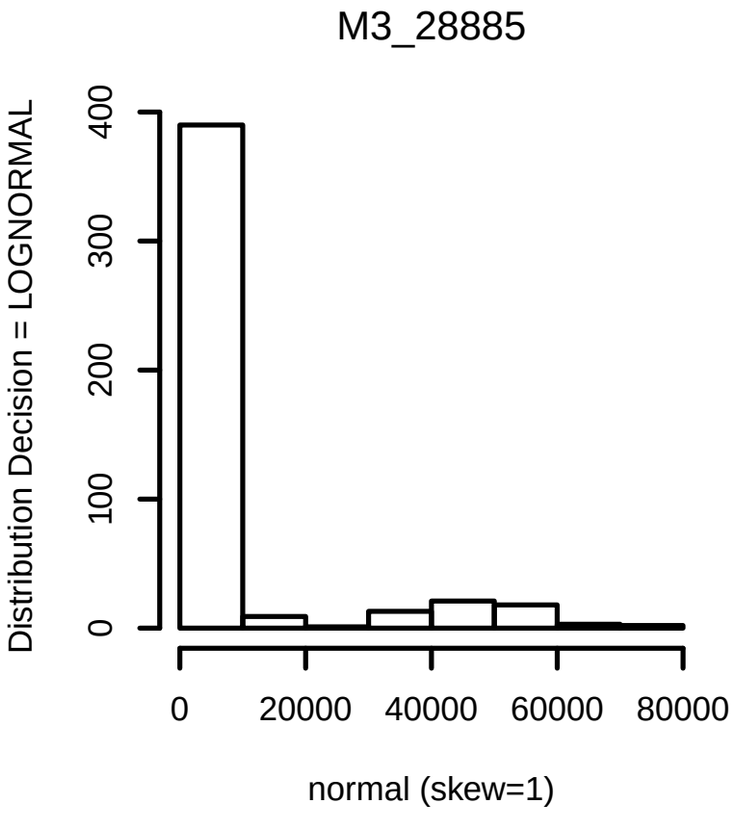

M3_72853
Distribution Decision = NORMAL
0
20
40
60
80
100
0
2
4
6
8
10
lognormal (skew=2.9)

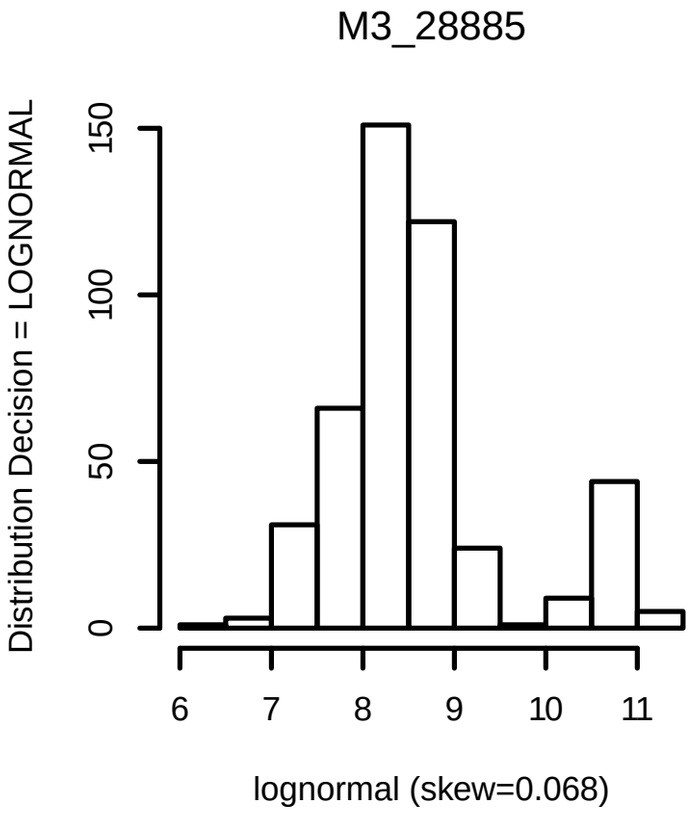

M3_06309
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
2e+05
4e+05
normal (skew=1)

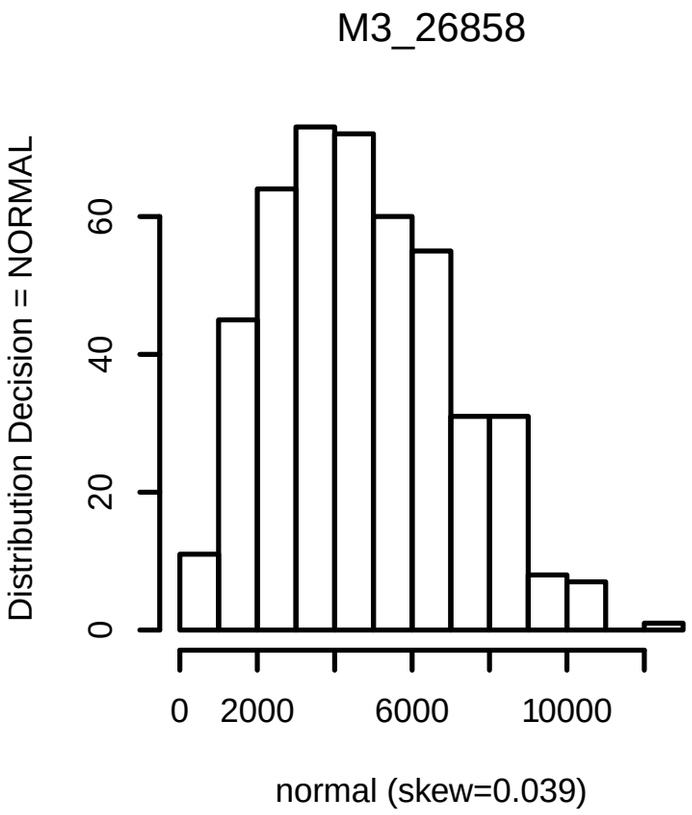

M3_06309
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
10
12
14
lognormal (skew=0.53)

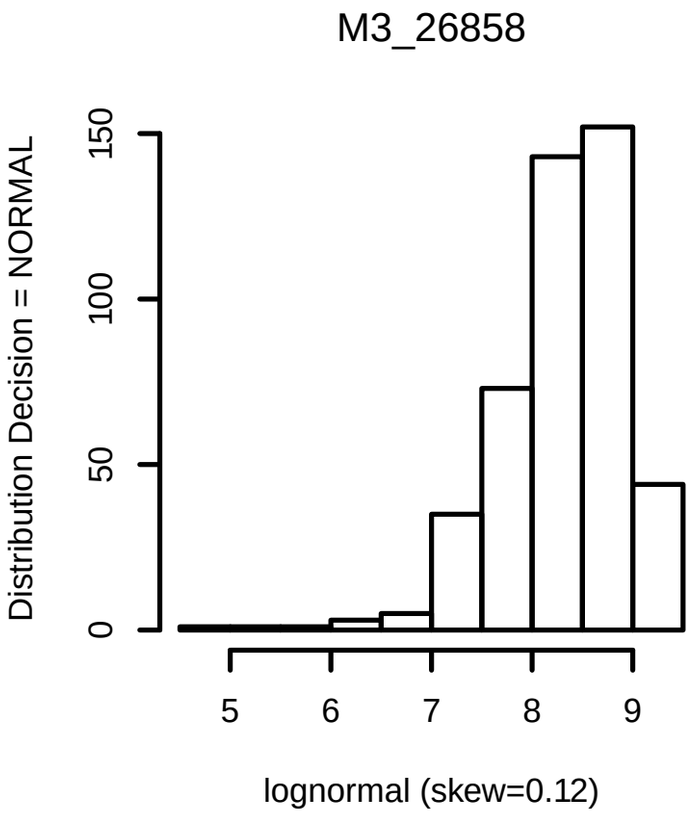

M3_99596
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
40000
60000
80000
normal (skew=1)

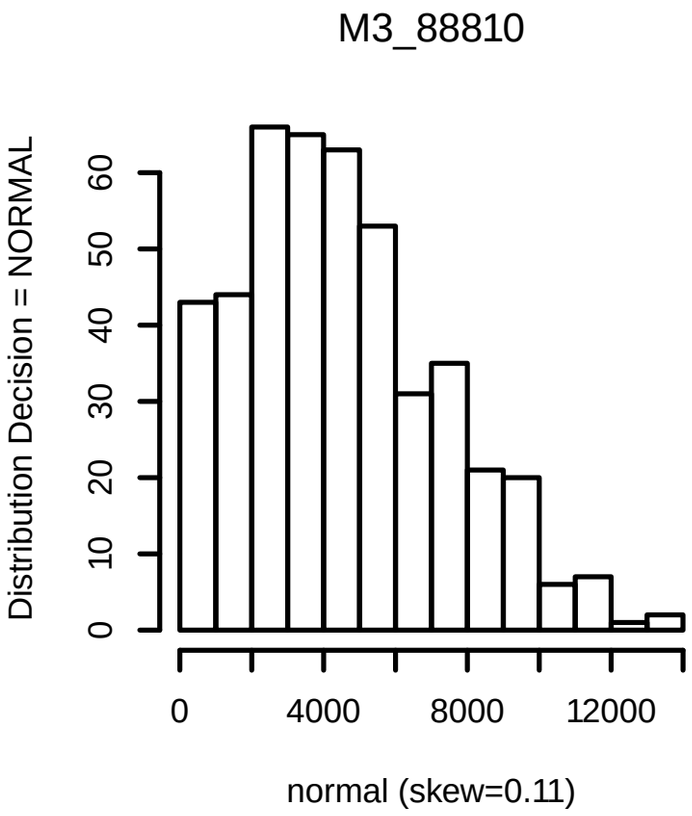

M3_99596
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
6
7
8
9
10
11
lognormal (skew=0.62)

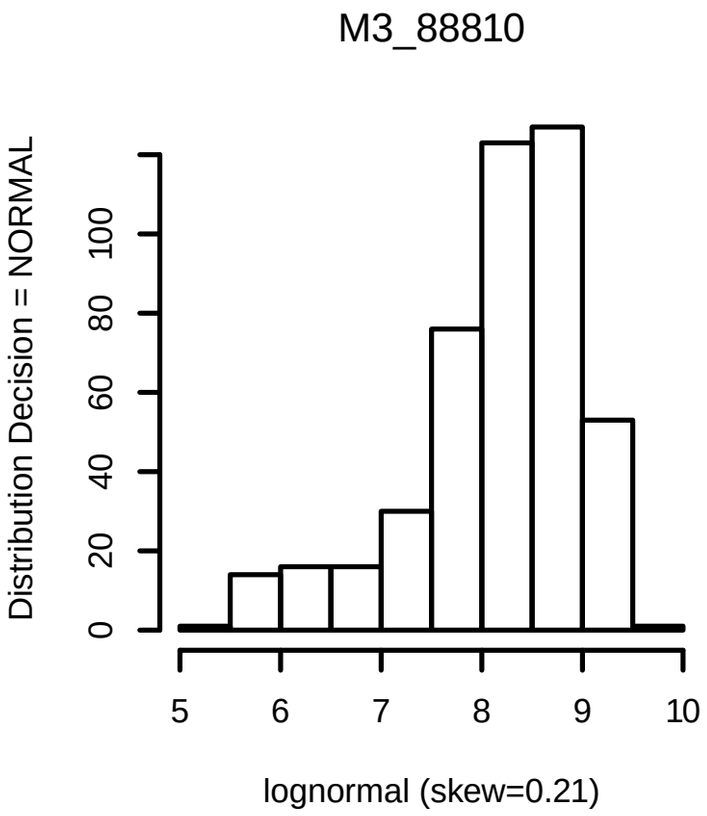

M3_28885
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
40000
60000
80000
normal (skew=1)

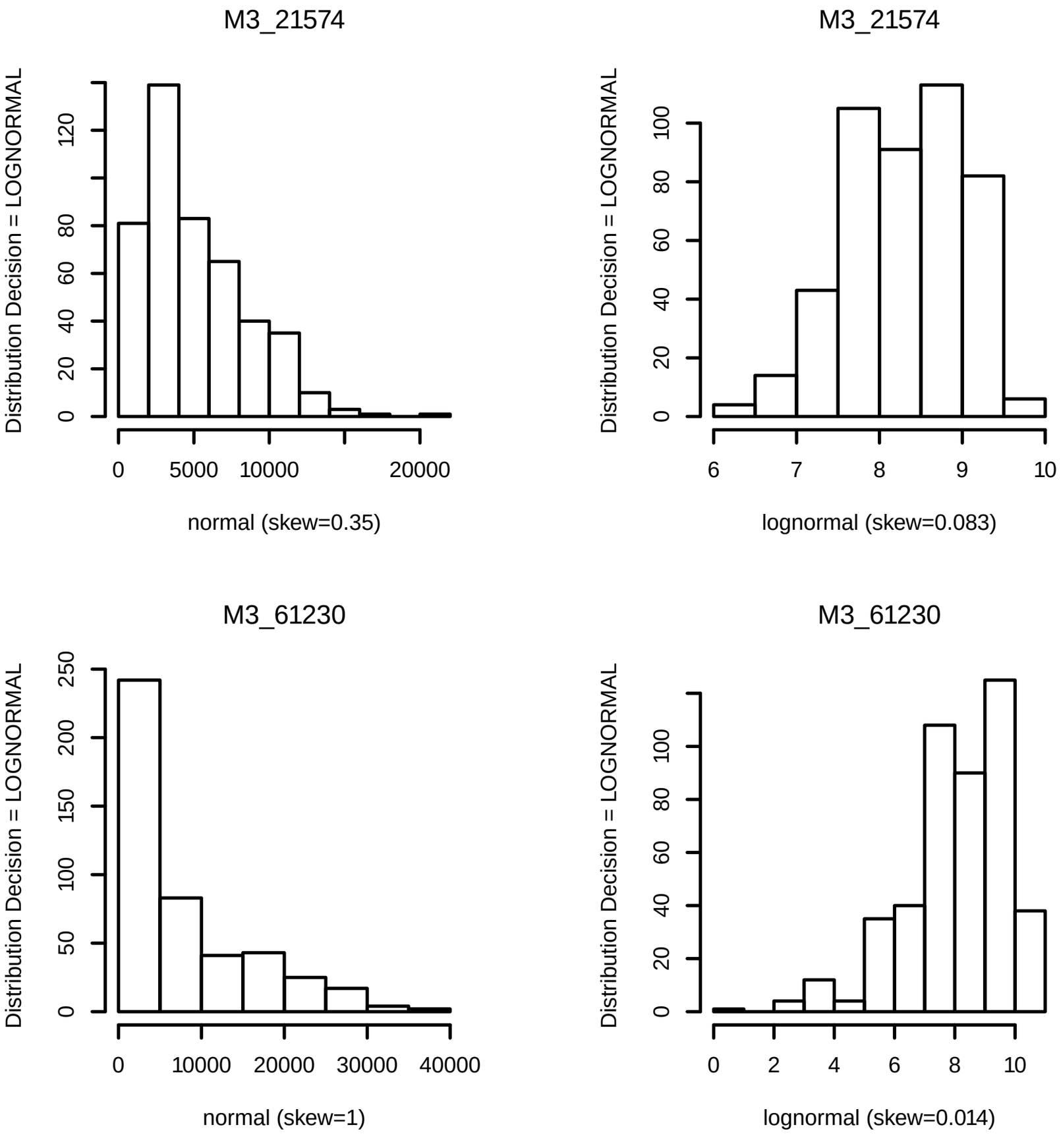

M3_28885
Distribution Decision = LOGNORMAL
0
50
100
150
6
7
8
9
10
11
lognormal (skew=0.068)

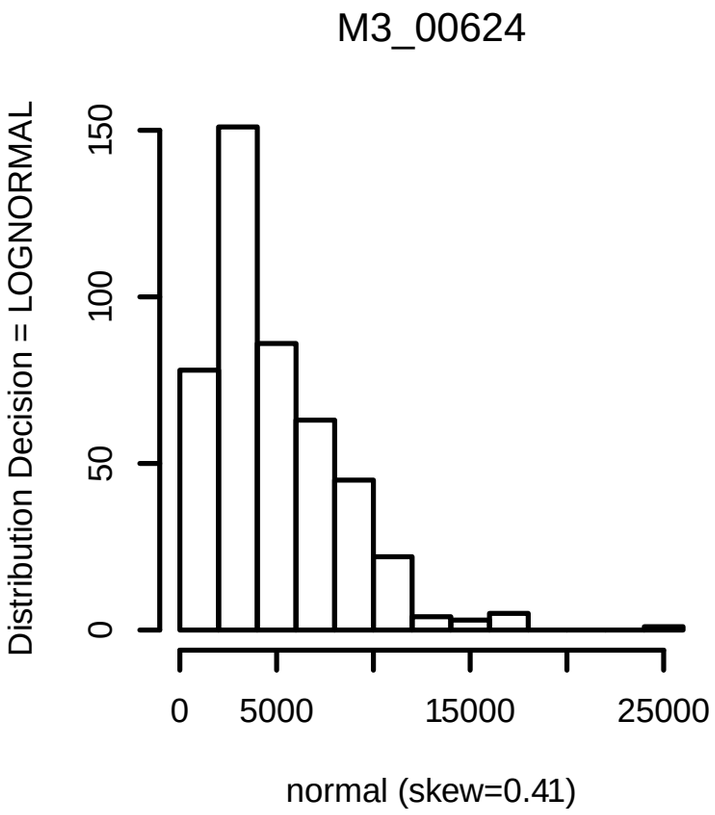

M3_26858
Distribution Decision = NORMAL
0
20
40
60
0
2000
6000
10000
normal (skew=0.039)

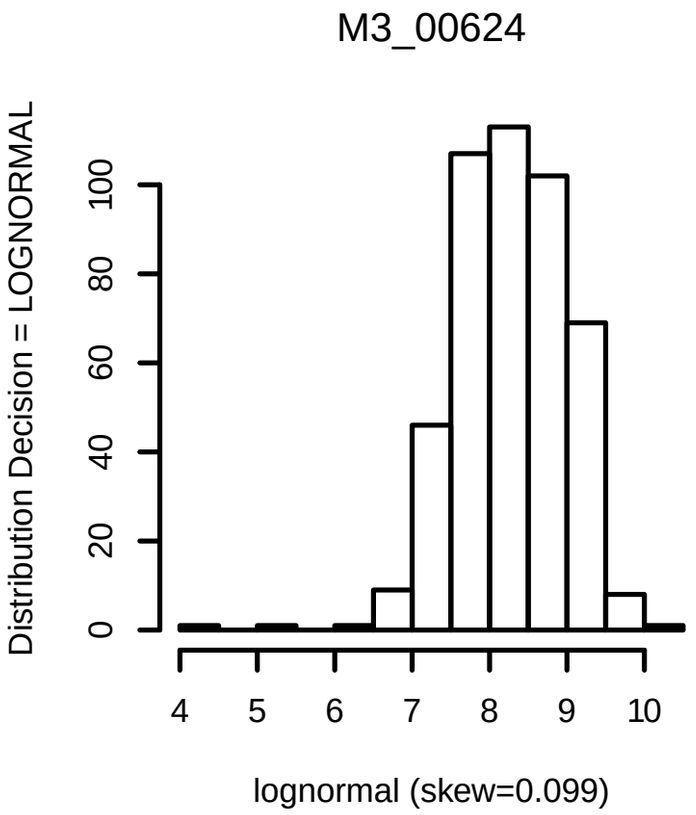

M3_26858
Distribution Decision = NORMAL
0
50
100
150
5
6
7
8
9
lognormal (skew=0.12)

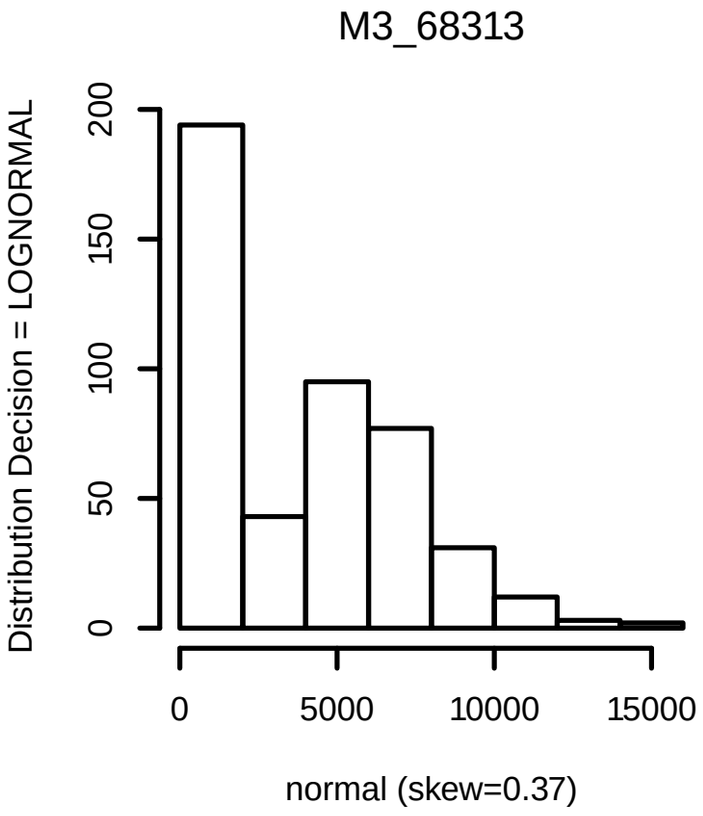

M3_88810
Distribution Decision = NORMAL
0
10
20
30
40
50
60
0
4000
8000
12000
normal (skew=0.11)

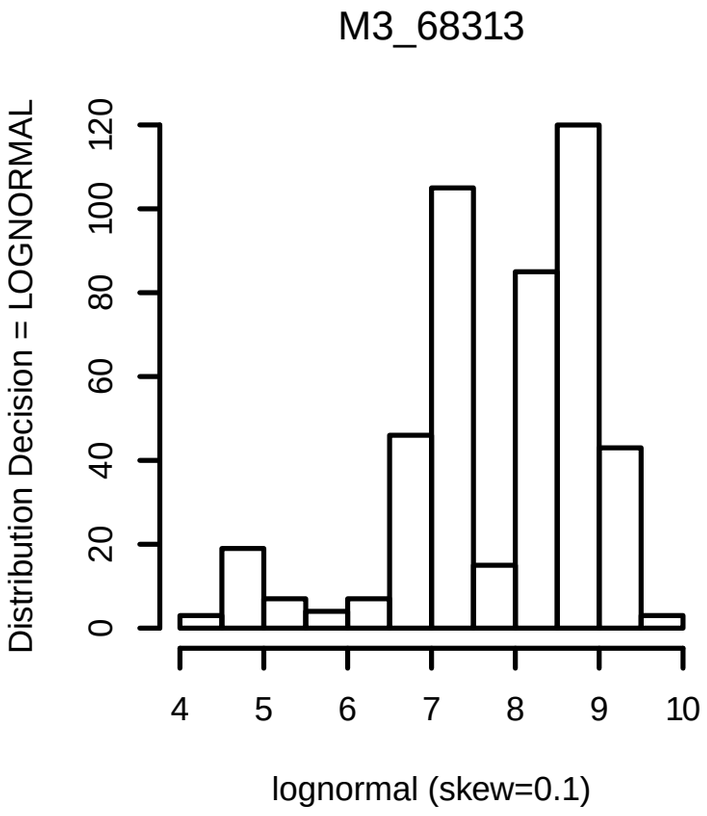

M3_88810
Distribution Decision = NORMAL
0
20
40
60
80
100
5
6
7
8
9
10
lognormal (skew=0.21)

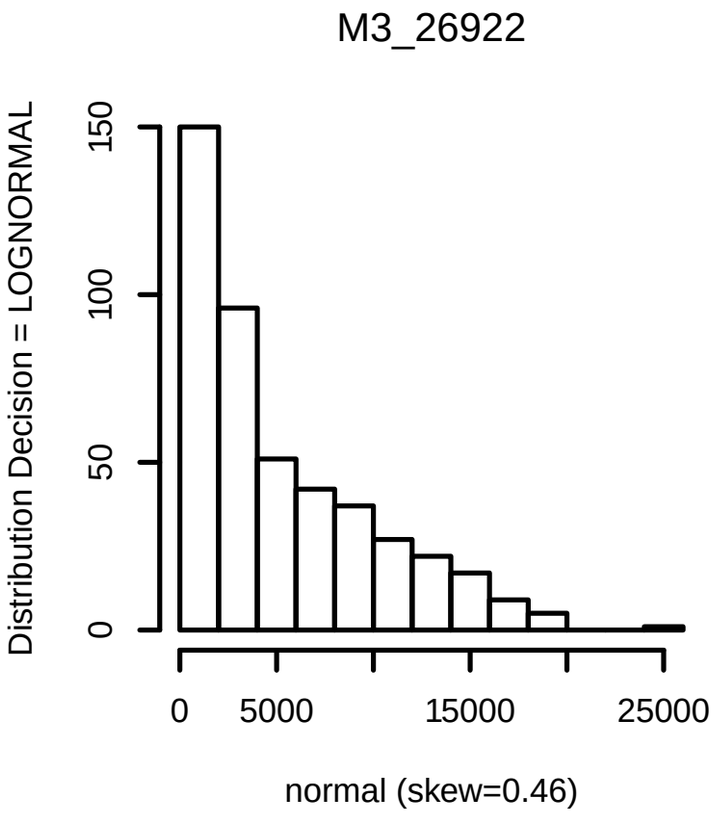

M3_21574
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
0
5000
10000
20000
normal (skew=0.35)
M3_21574
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
6
7
8
9
10
lognormal (skew=0.083)
M3_61230
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
10000
20000
30000
40000
normal (skew=1)
M3_61230
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2
4
6
8
10
lognormal (skew=0.014)

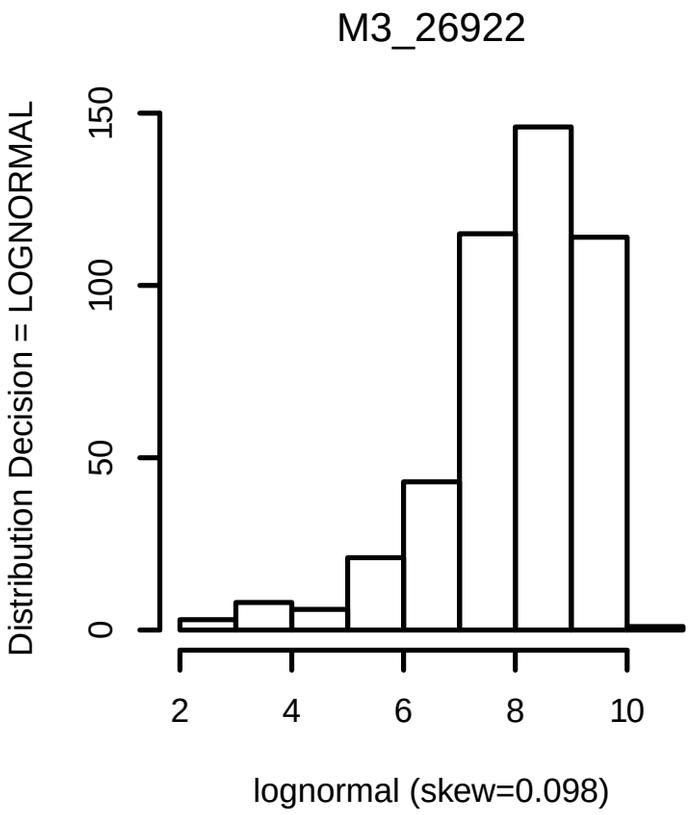

M3_00624
Distribution Decision = LOGNORMAL
0
50
100
150
0
5000
15000
25000
normal (skew=0.41)

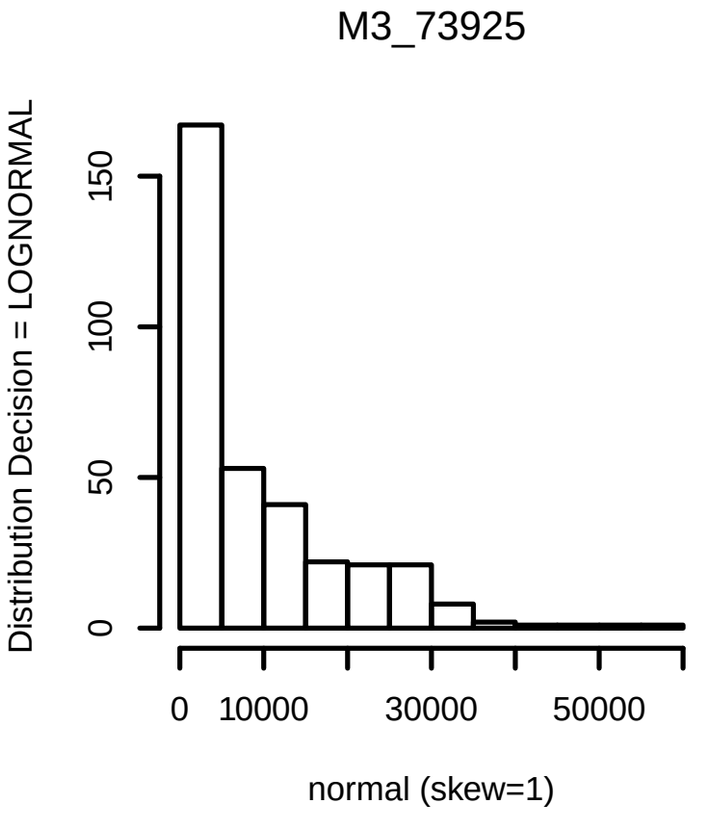

M3_00624
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
9
10
lognormal (skew=0.099)

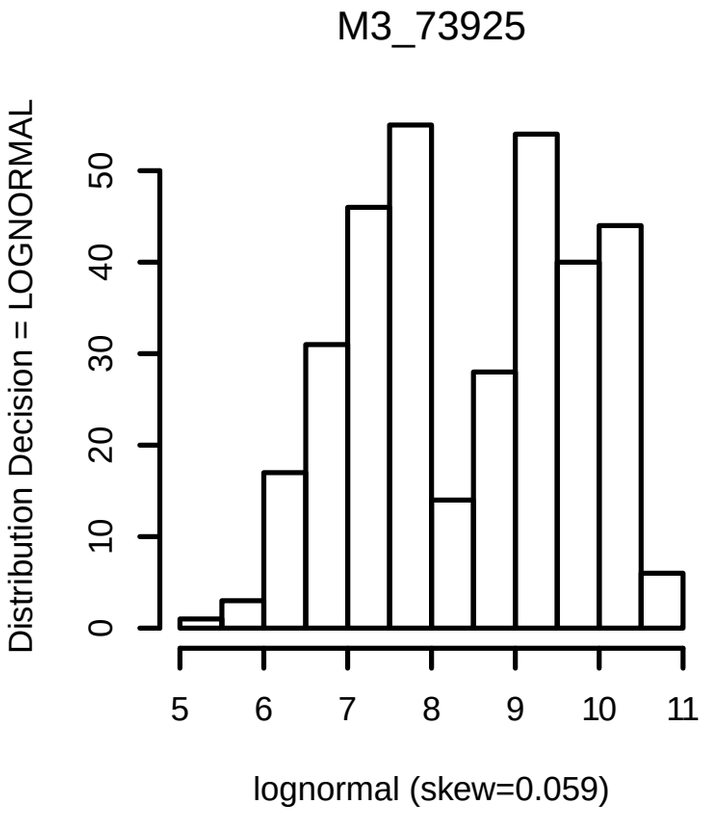

M3_68313
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
5000
10000
15000
normal (skew=0.37)

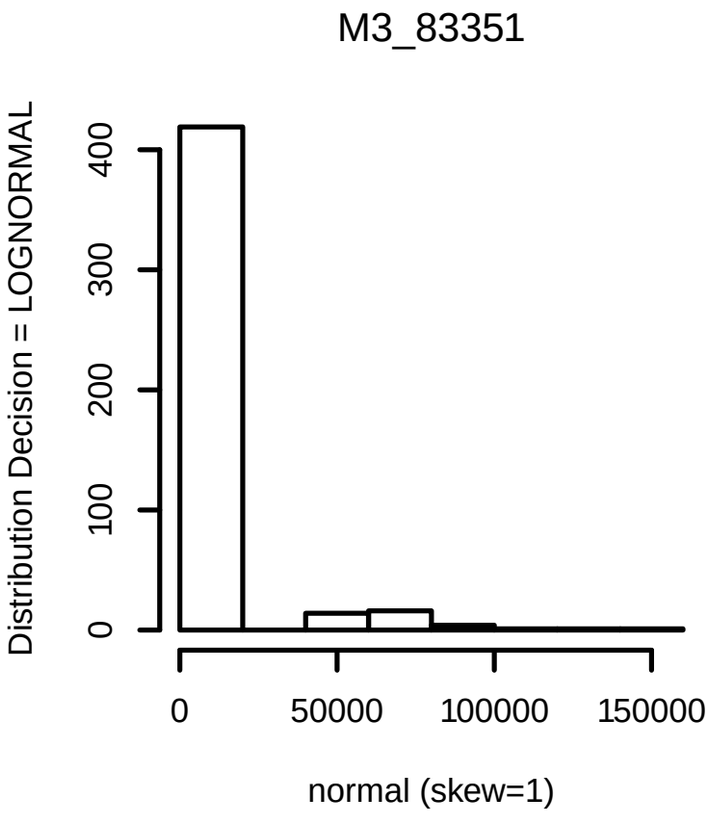

M3_68313
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
4
5
6
7
8
9
10
lognormal (skew=0.1)

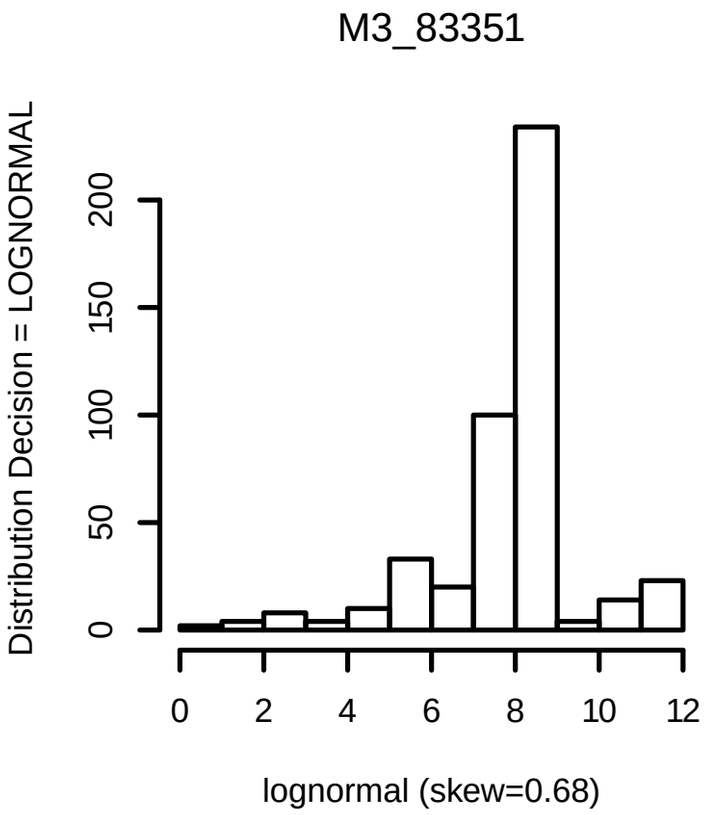

M3_26922
Distribution Decision = LOGNORMAL
0
50
100
150
0
5000
15000
25000
normal (skew=0.46)

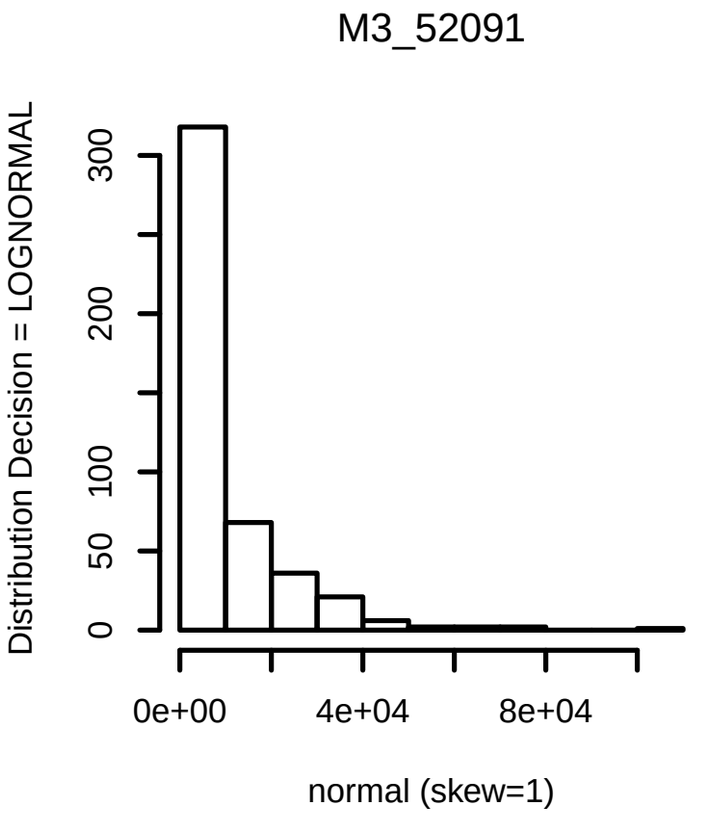

M3_26922
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.098)

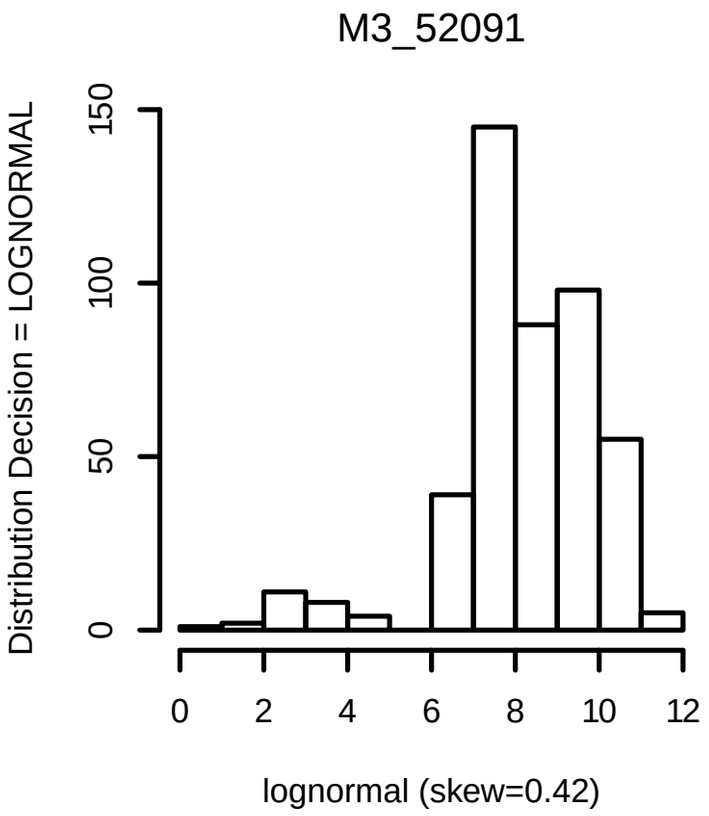

M3_73925
Distribution Decision = LOGNORMAL
0
50
100
150
0
10000
30000
50000
normal (skew=1)

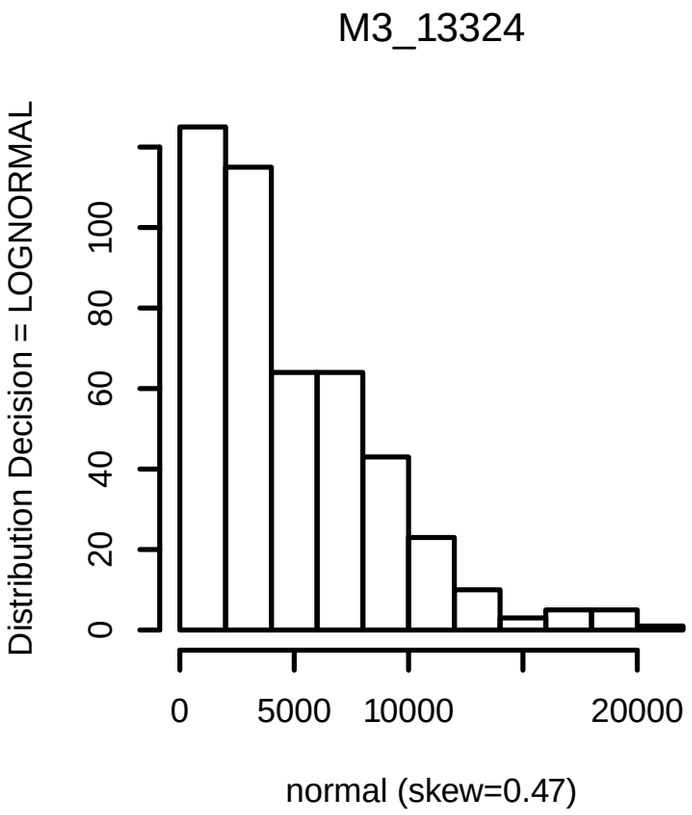

M3_73925
Distribution Decision = LOGNORMAL
0
10
20
30
40
50
5
6
7
8
9
10
11
lognormal (skew=0.059)

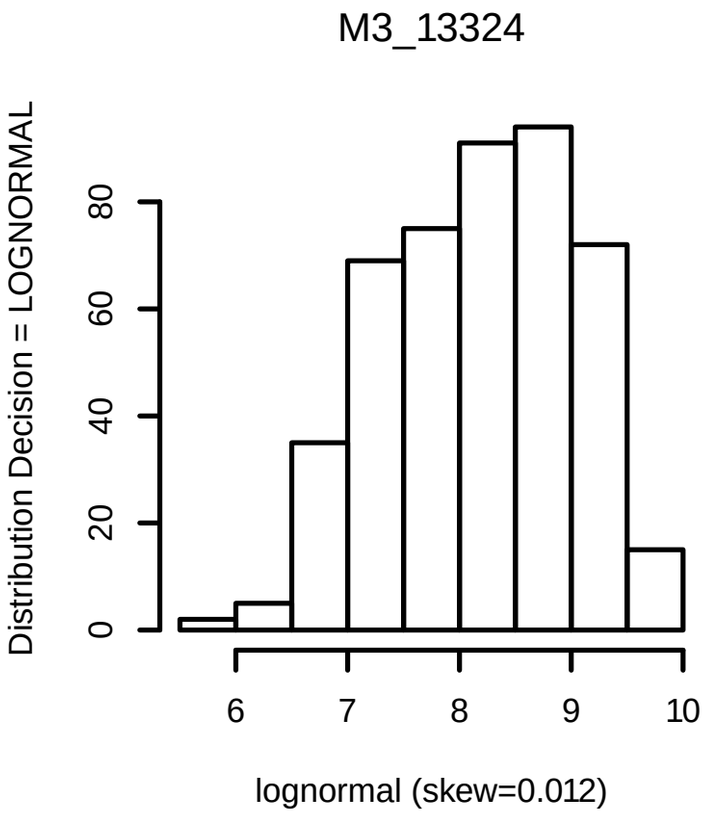

M3_83351
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
50000
100000
150000
normal (skew=1)

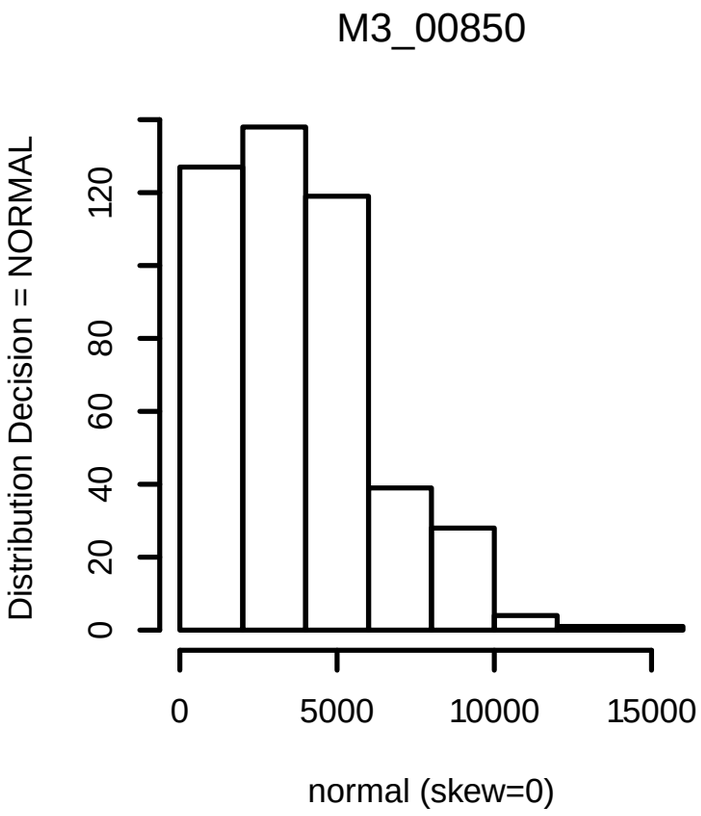

M3_83351
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
10
12
lognormal (skew=0.68)

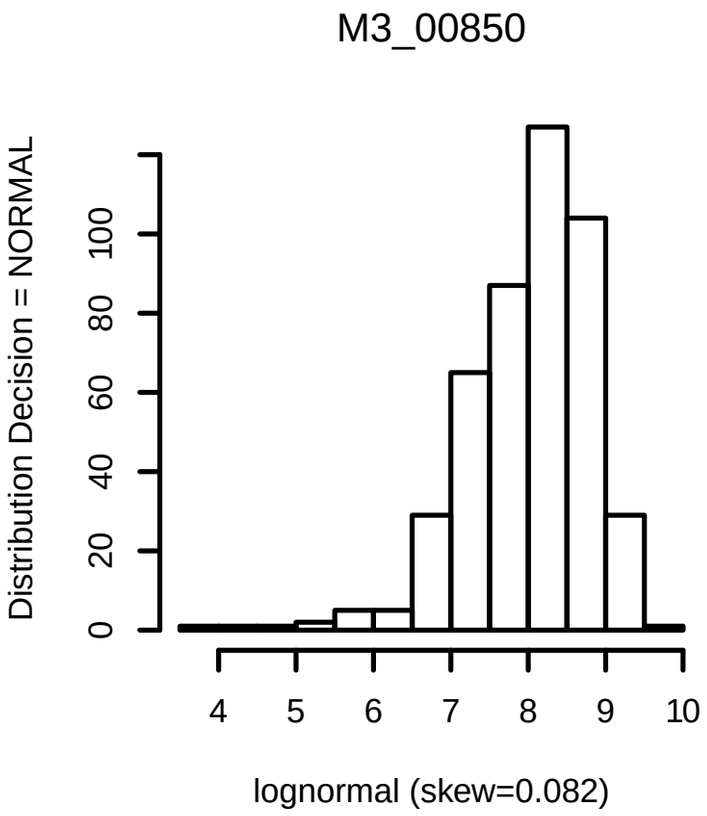

M3_52091
Distribution Decision = LOGNORMAL
0
50
100
200
300
0e+00
4e+04
8e+04
normal (skew=1)

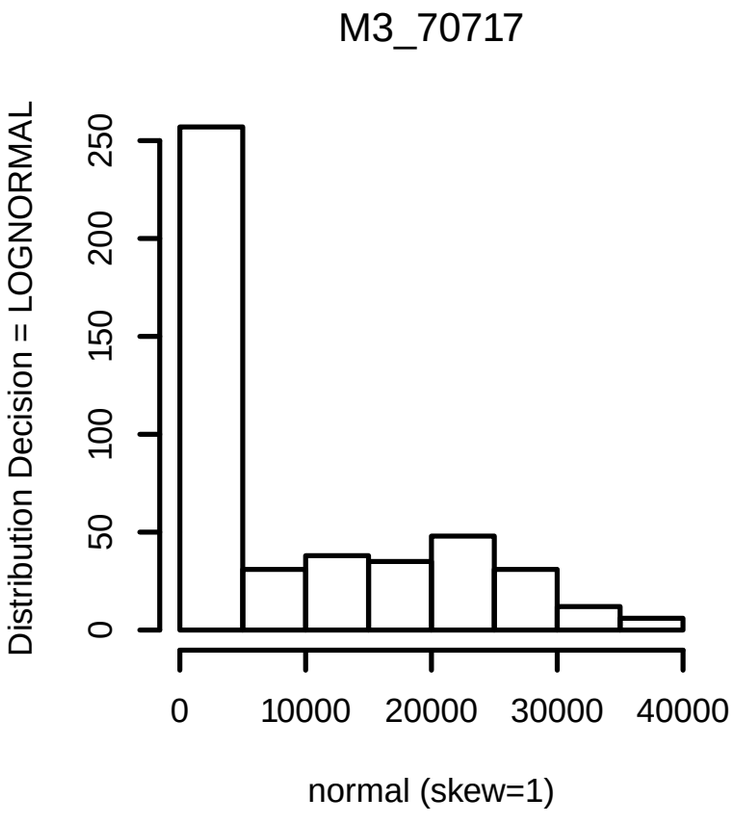

M3_52091
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
12
lognormal (skew=0.42)

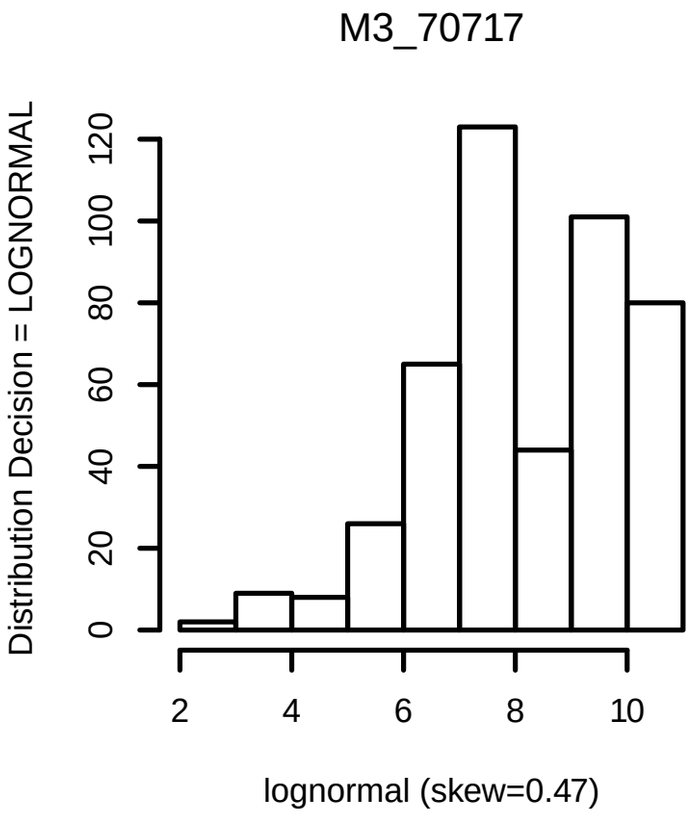

M3_13324
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
5000
10000
20000
normal (skew=0.47)

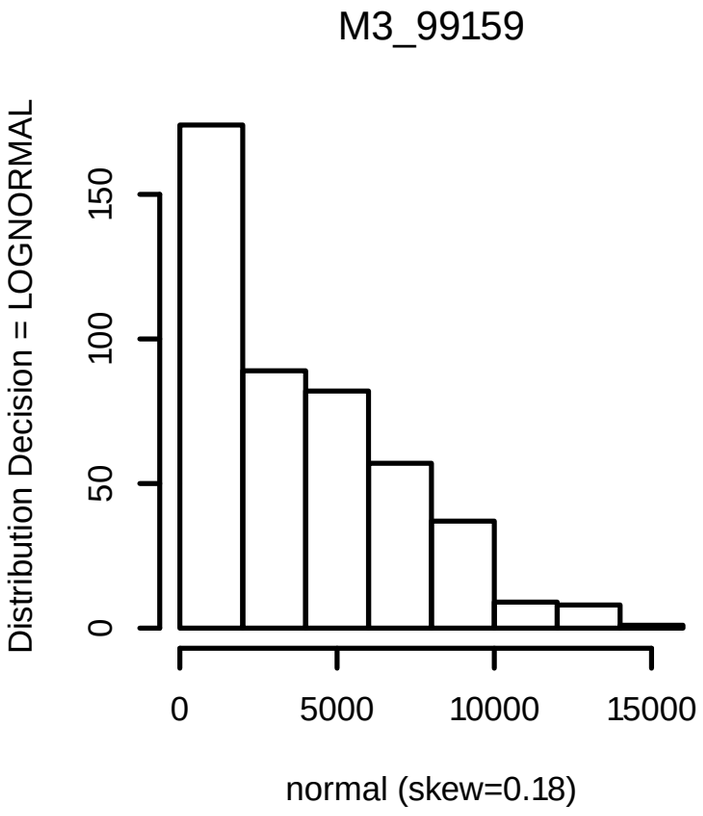

M3_13324
Distribution Decision = LOGNORMAL
0
20
40
60
80
6
7
8
9
10
lognormal (skew=0.012)

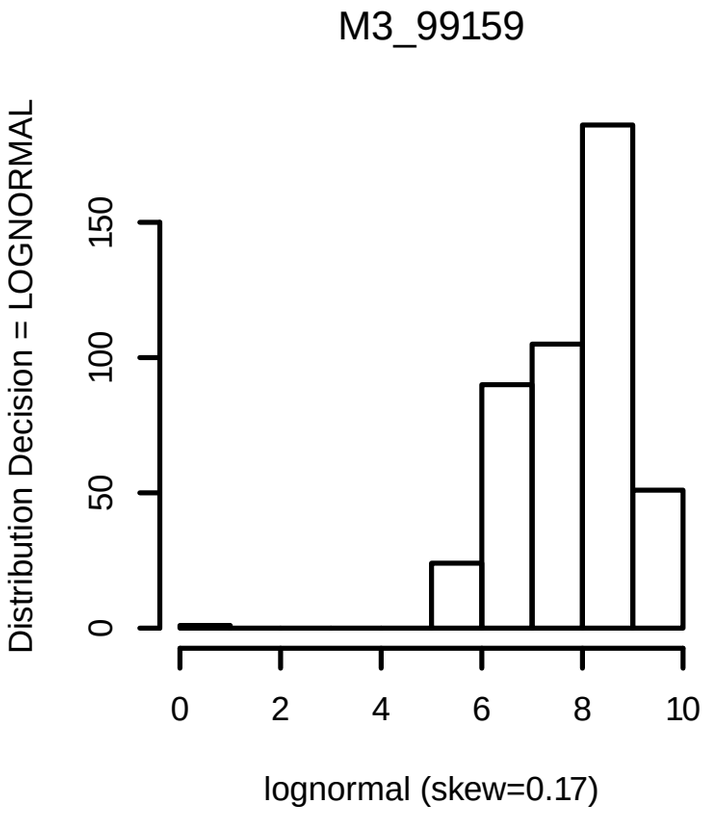

M3_00850
Distribution Decision = NORMAL
0
20
40
60
80
120
0
5000
10000
15000
normal (skew=0)

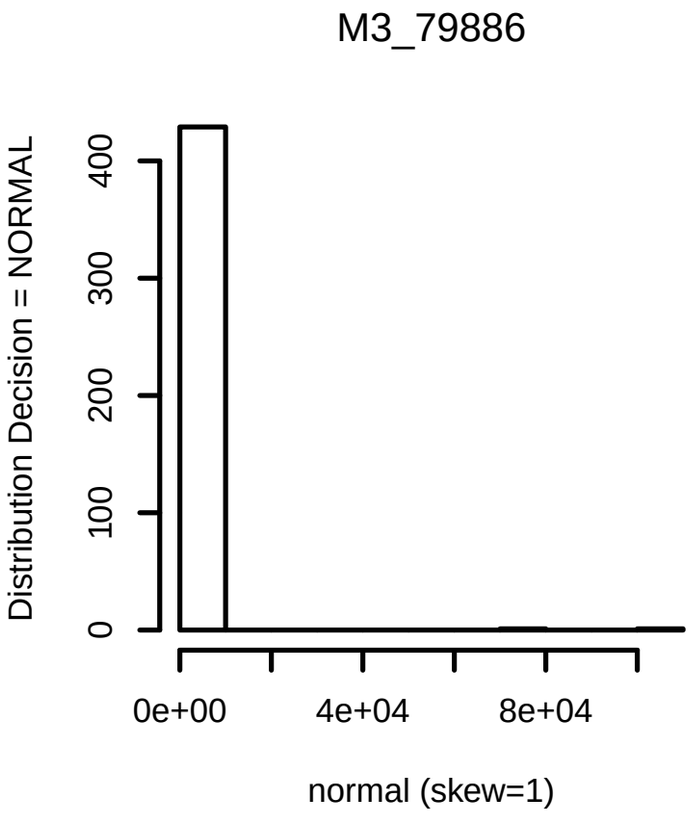

M3_00850
Distribution Decision = NORMAL
0
20
40
60
80
100
4
5
6
7
8
9
10
lognormal (skew=0.082)

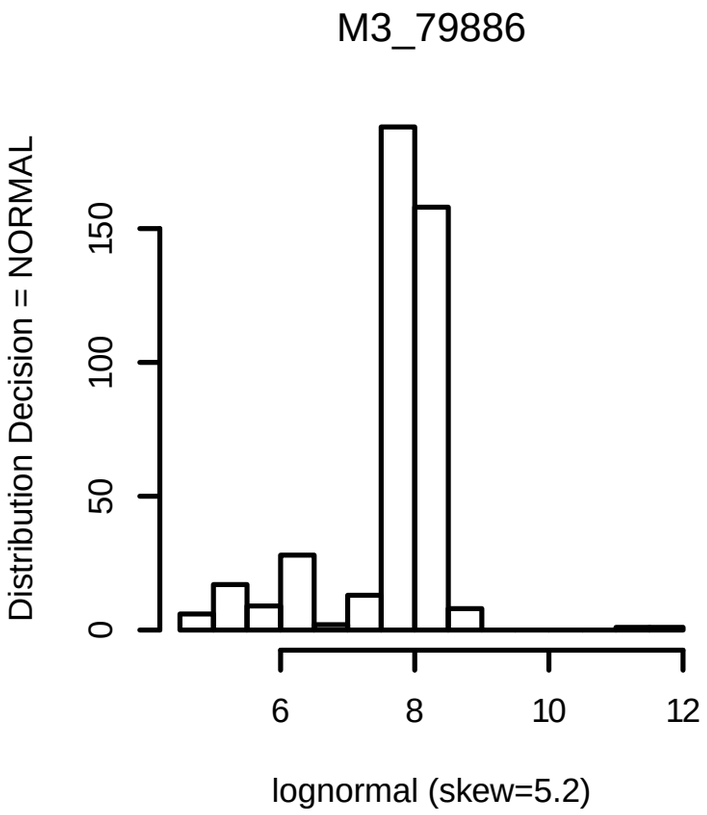

M3_70717
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
10000
20000
30000
40000
normal (skew=1)

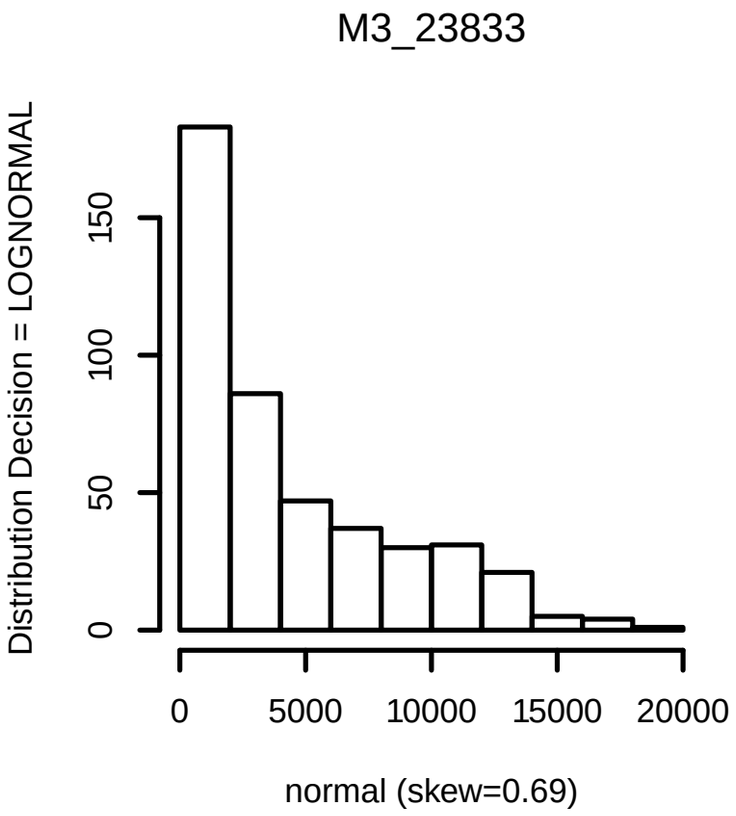

M3_70717
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
2
4
6
8
10
lognormal (skew=0.47)

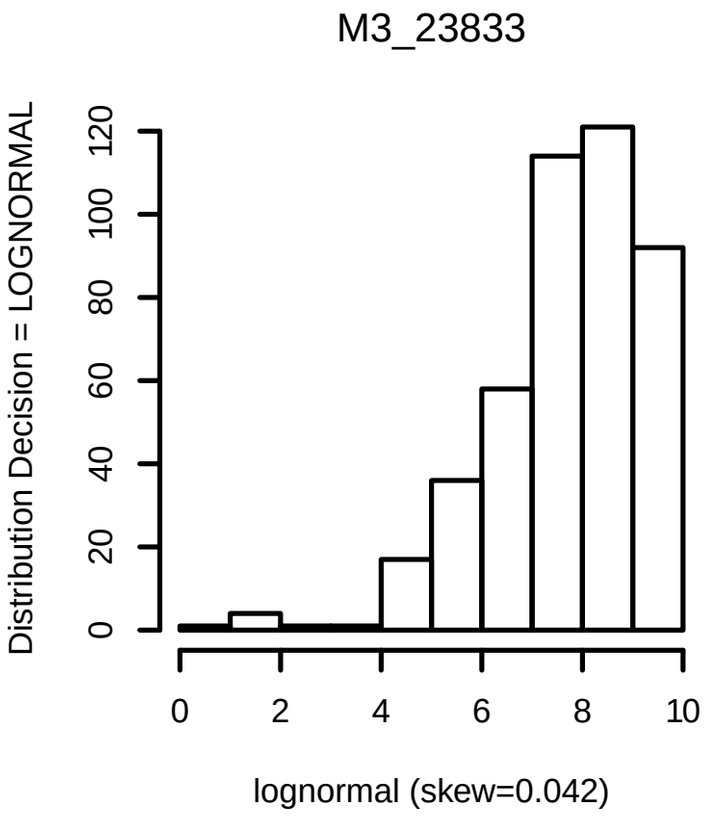

M3_99159
Distribution Decision = LOGNORMAL
0
50
100
150
0
5000
10000
15000
normal (skew=0.18)

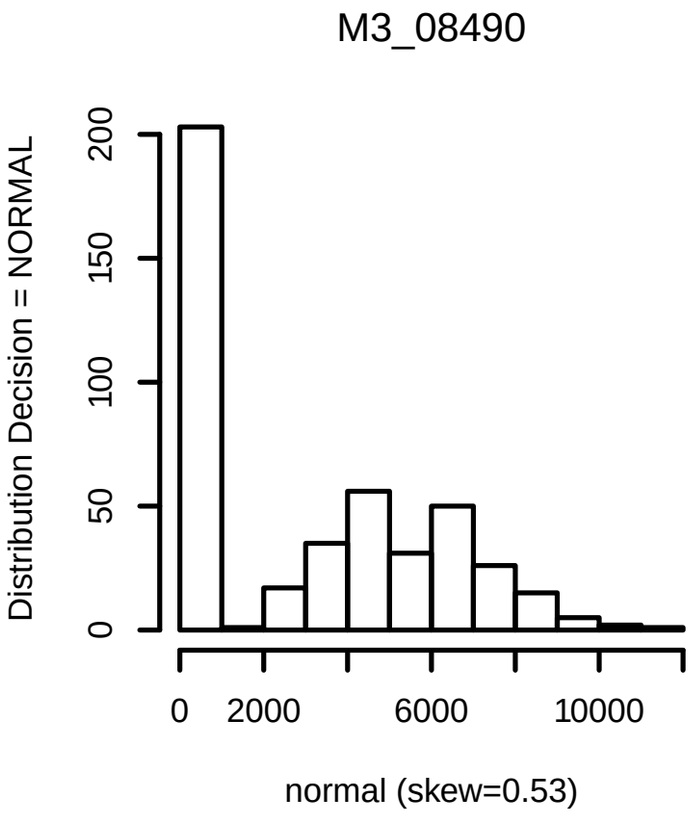

M3_99159
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.17)

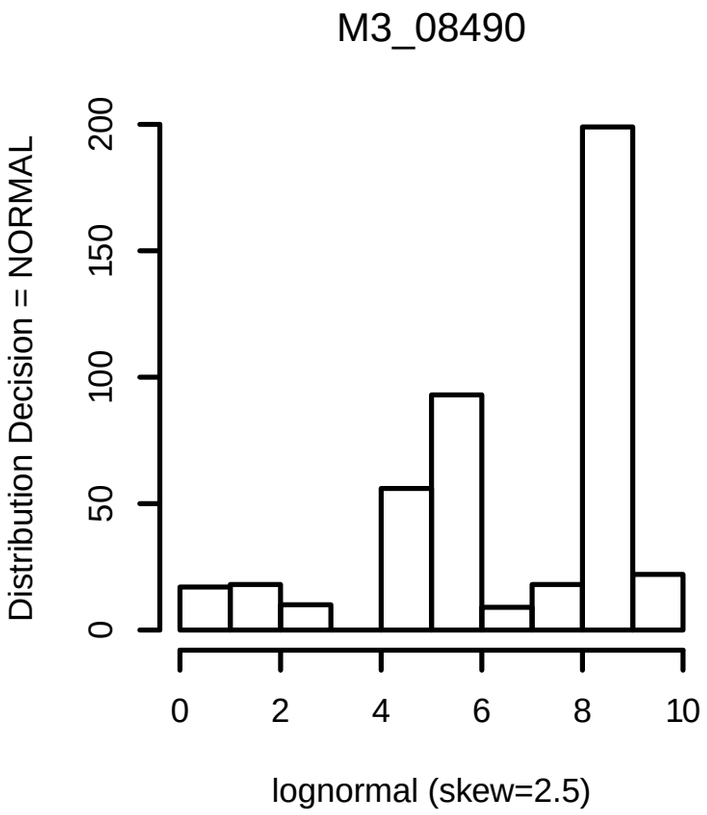

M3_79886
Distribution Decision = NORMAL
0
100
200
300
400
0e+00
4e+04
8e+04
normal (skew=1)

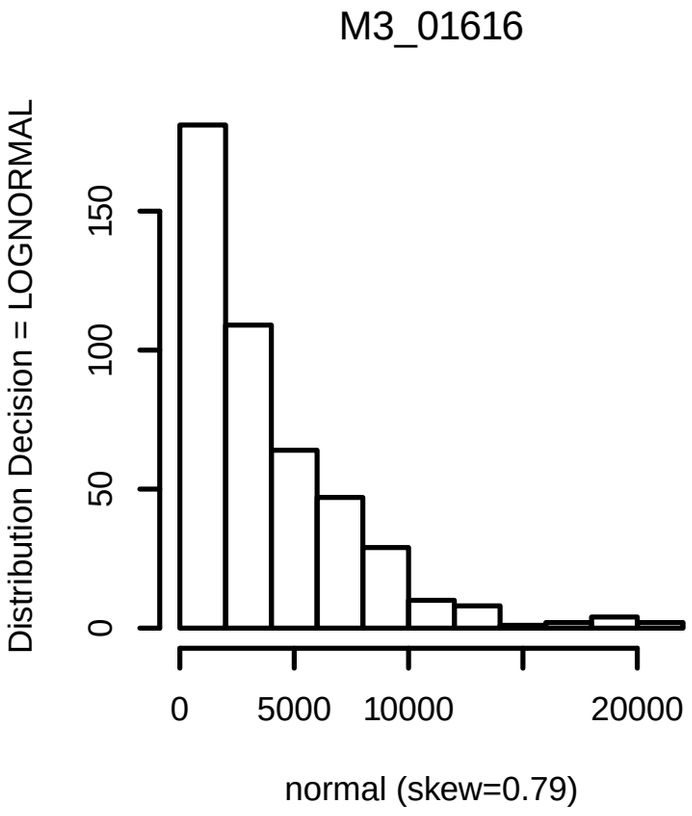

M3_79886
Distribution Decision = NORMAL
0
50
100
150
6
8
10
12
lognormal (skew=5.2)

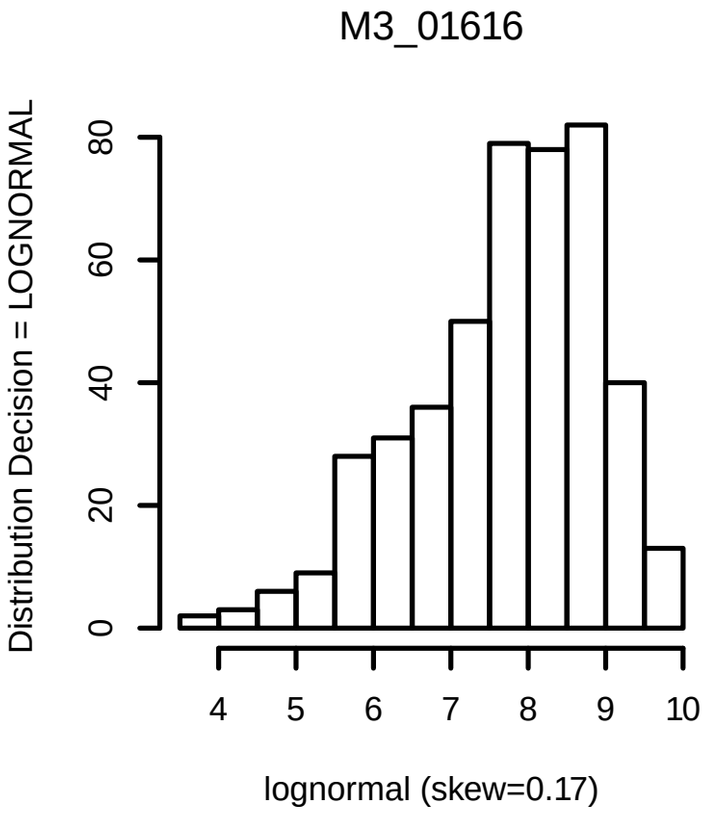

M3_23833
Distribution Decision = LOGNORMAL
0
50
100
150
0
5000
10000
15000
20000
normal (skew=0.69)

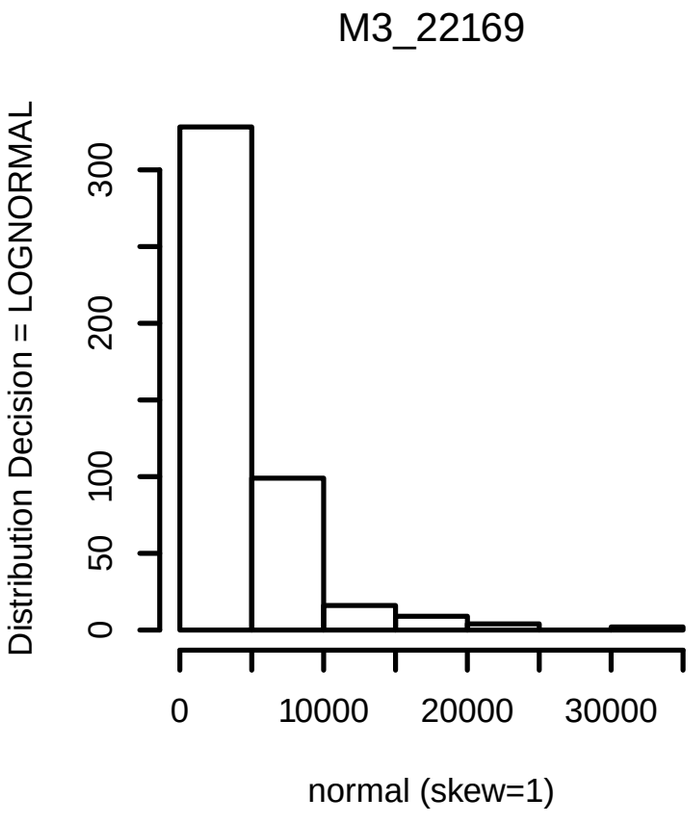

M3_23833
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
2
4
6
8
10
lognormal (skew=0.042)

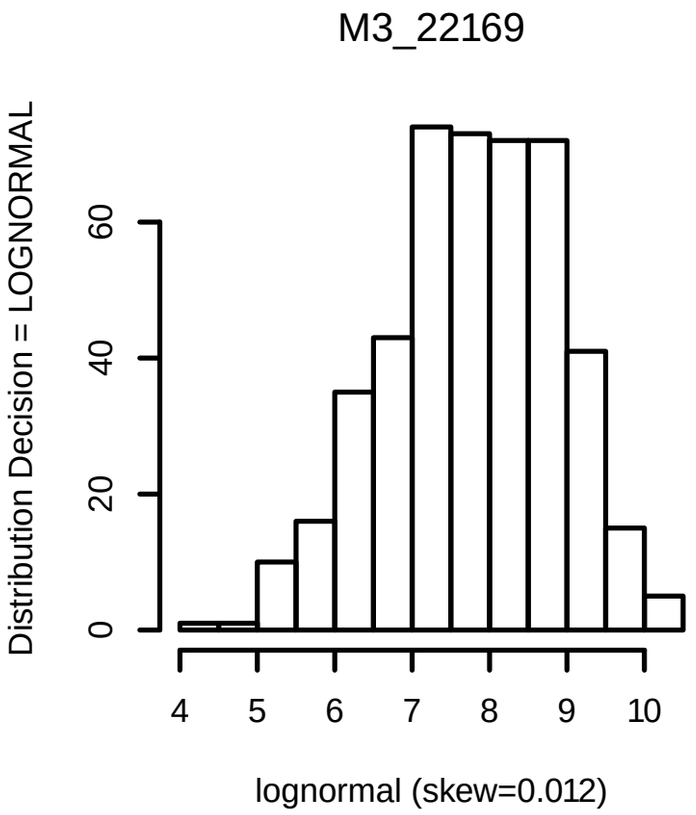

M3_08490
Distribution Decision = NORMAL
0
50
100
150
200
0
2000
6000
10000
normal (skew=0.53)

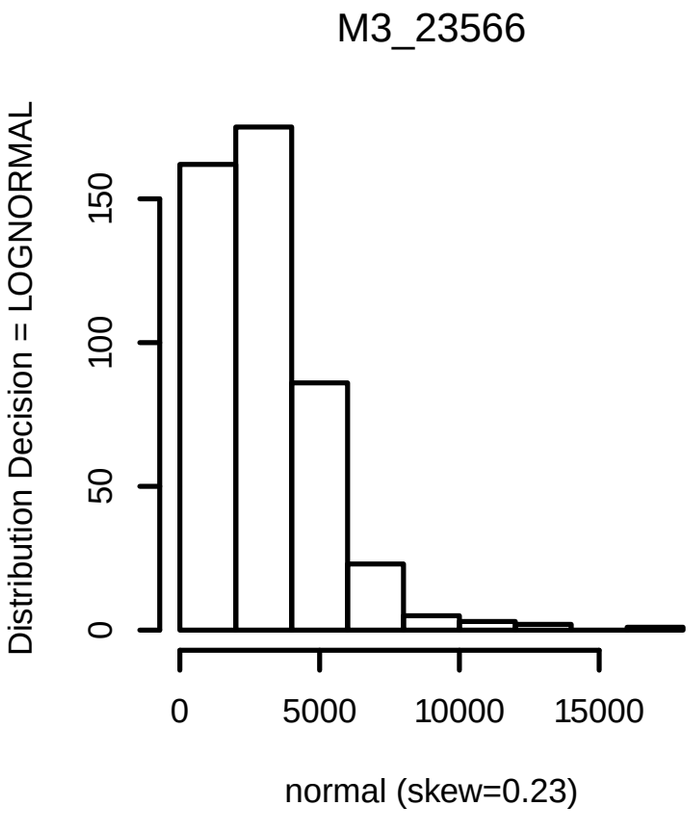

M3_08490
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=2.5)

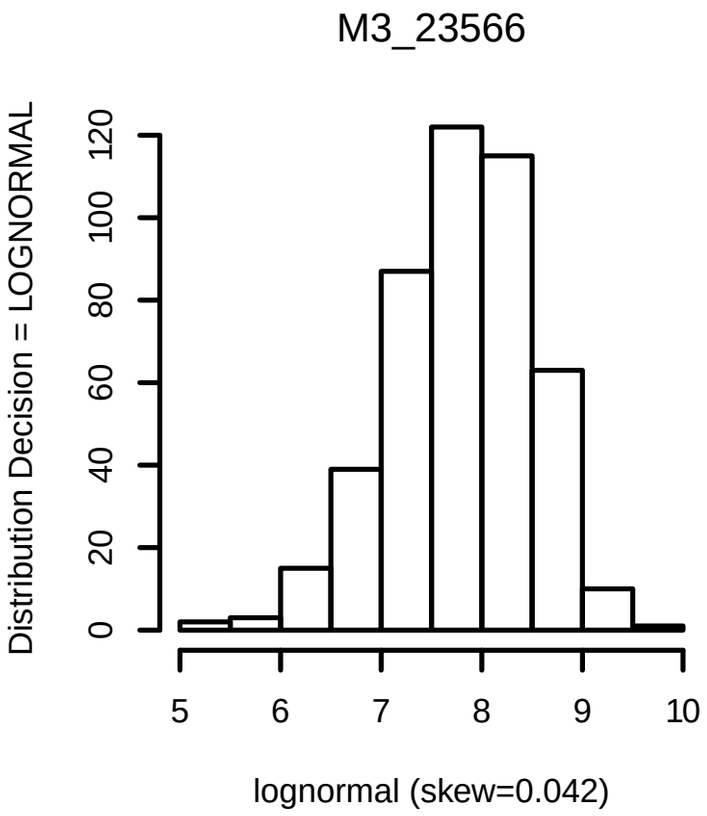

M3_01616
Distribution Decision = LOGNORMAL
0
50
100
150
0
5000
10000
20000
normal (skew=0.79)

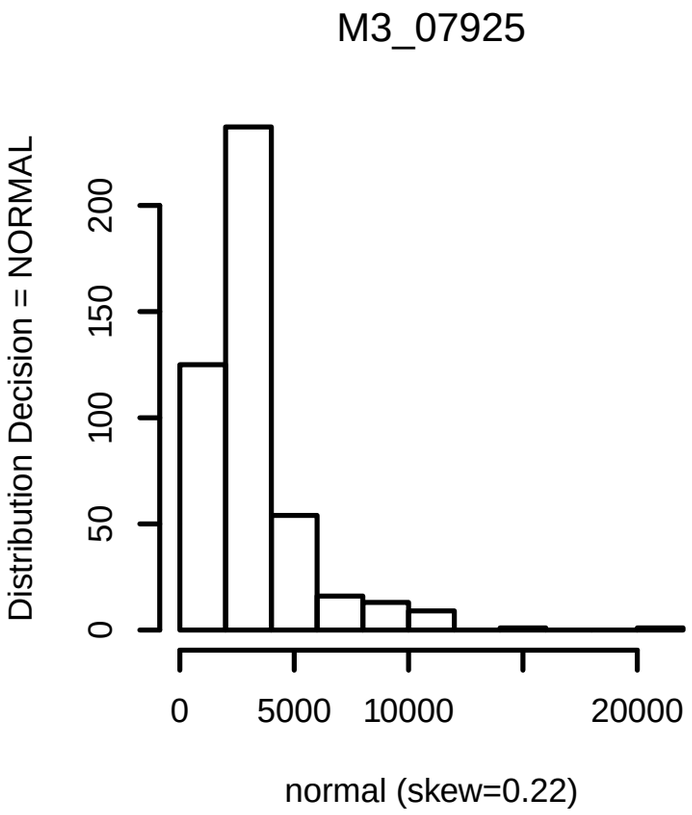

M3_01616
Distribution Decision = LOGNORMAL
0
20
40
60
80
4
5
6
7
8
9
10
lognormal (skew=0.17)

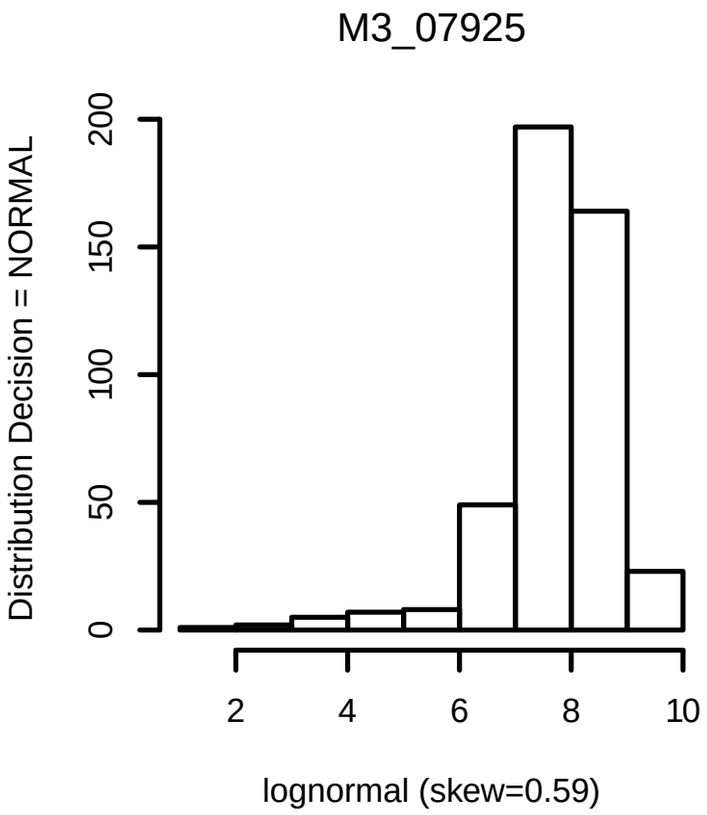

M3_22169
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
10000
20000
30000
normal (skew=1)

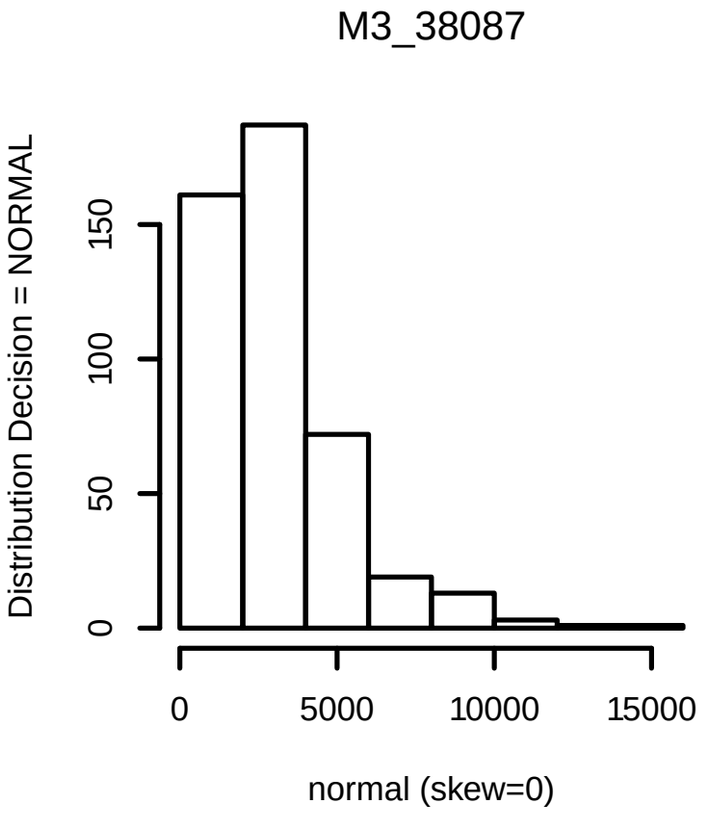

M3_22169
Distribution Decision = LOGNORMAL
0
20
40
60
4
5
6
7
8
9
10
lognormal (skew=0.012)

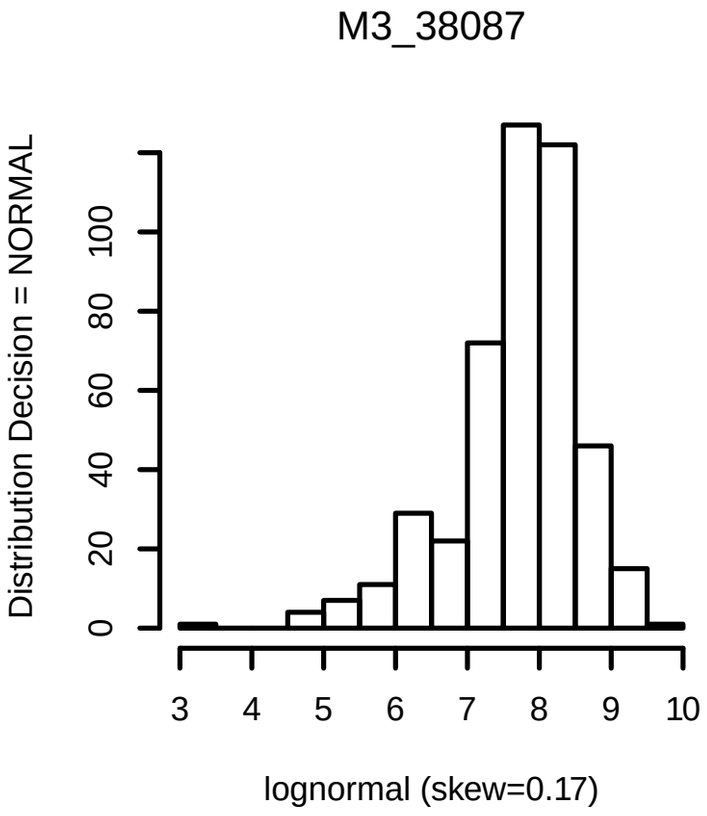

M3_23566
Distribution Decision = LOGNORMAL
0
50
100
150
0
5000
10000
15000
normal (skew=0.23)

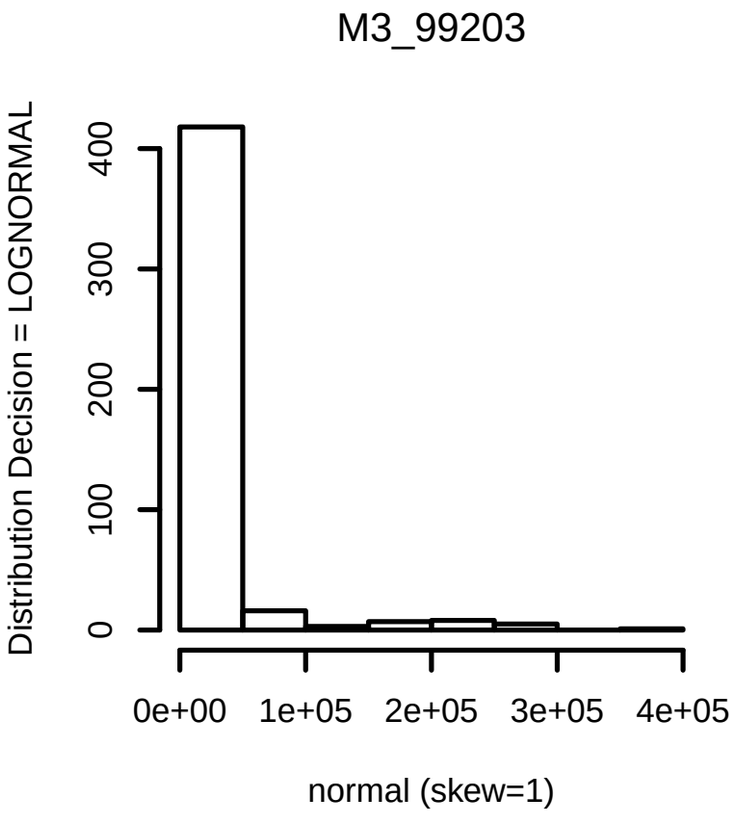

M3_23566
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
5
6
7
8
9
10
lognormal (skew=0.042)

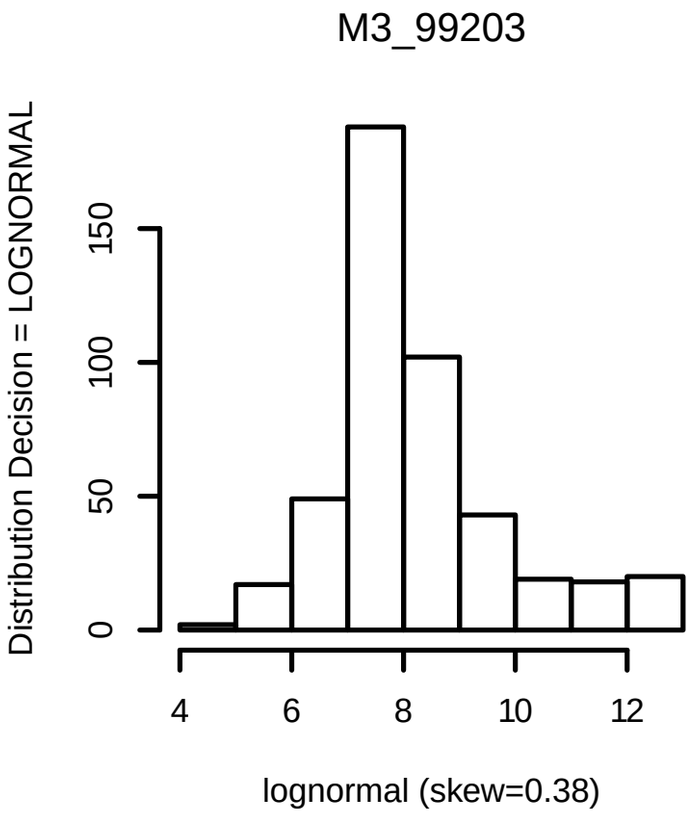

M3_07925
Distribution Decision = NORMAL
0
50
100
150
200
0
5000
10000
20000
normal (skew=0.22)

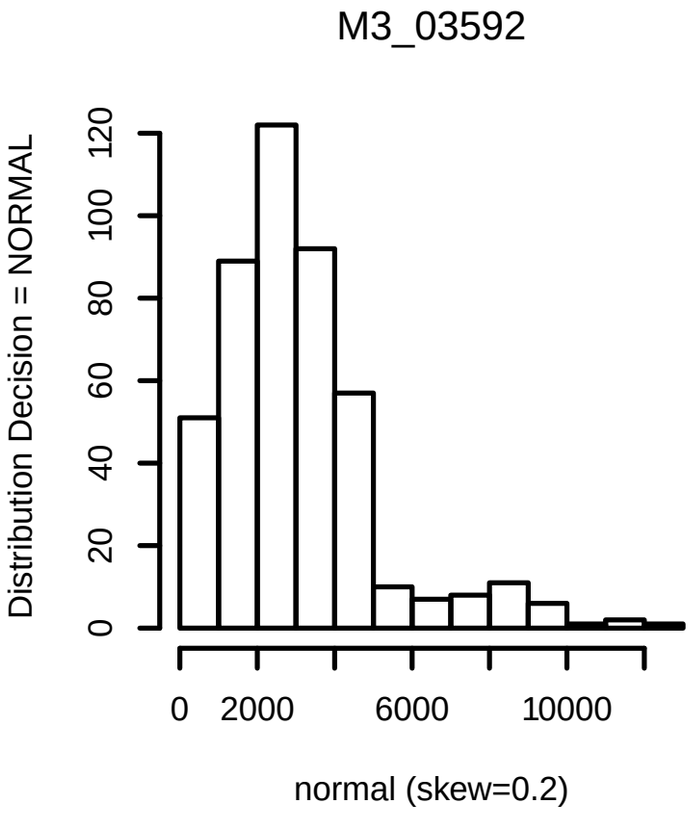

M3_07925
Distribution Decision = NORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.59)

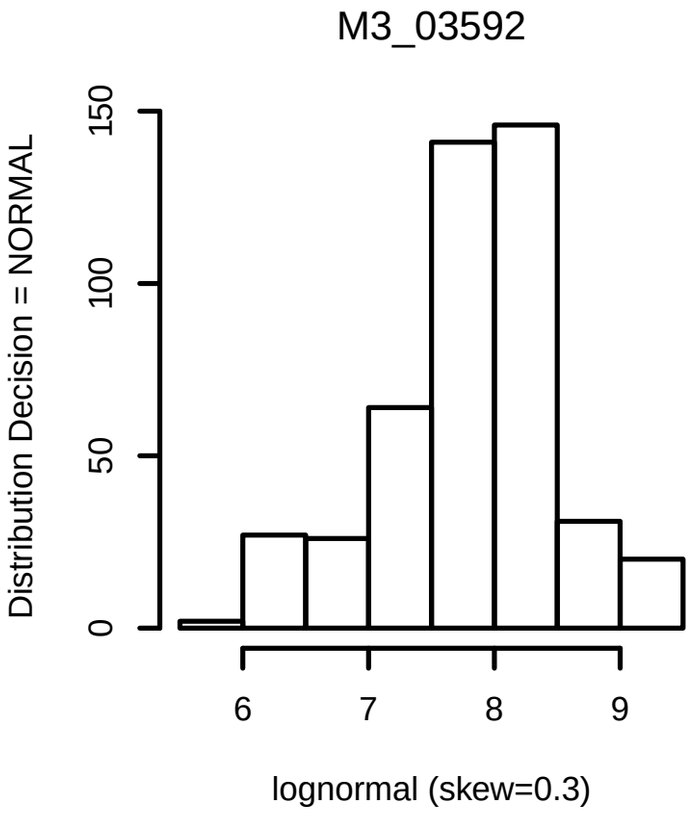

M3_38087
Distribution Decision = NORMAL
0
50
100
150
0
5000
10000
15000
normal (skew=0)

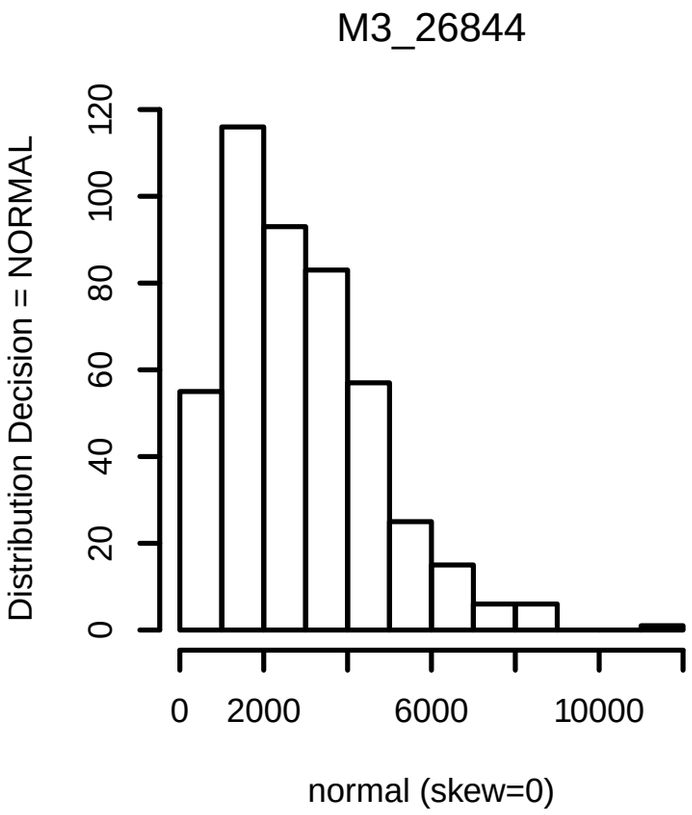

M3_38087
Distribution Decision = NORMAL
0
20
40
60
80
100
3
4
5
6
7
8
9
10
lognormal (skew=0.17)

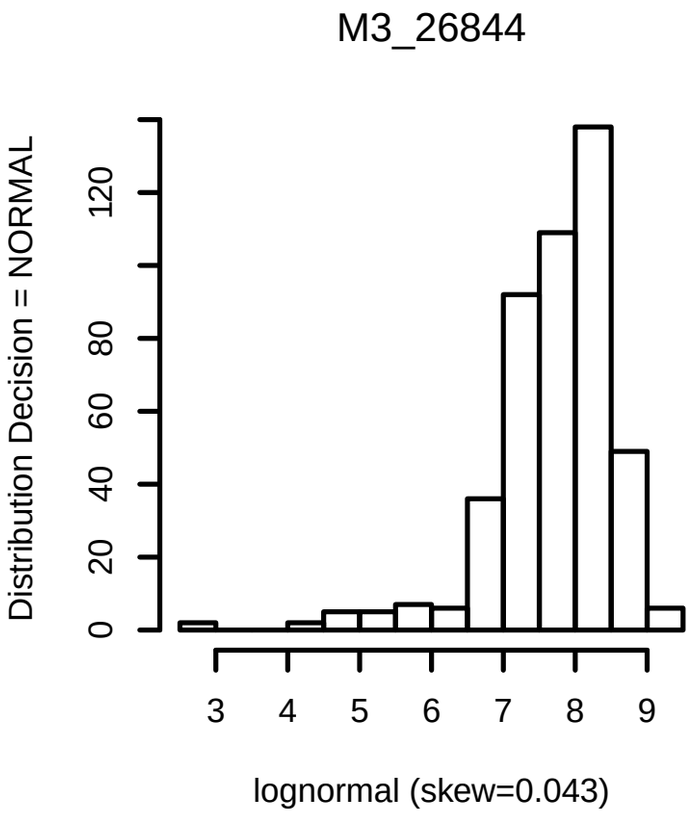

M3_99203
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
1e+05
2e+05
3e+05
4e+05
normal (skew=1)

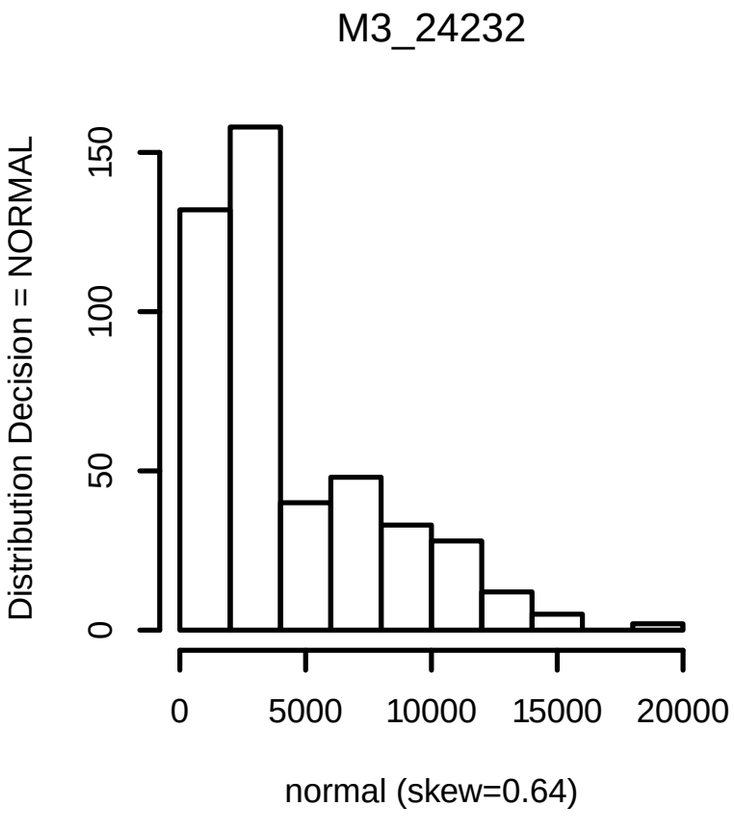

M3_99203
Distribution Decision = LOGNORMAL
0
50
100
150
4
6
8
10
12
lognormal (skew=0.38)

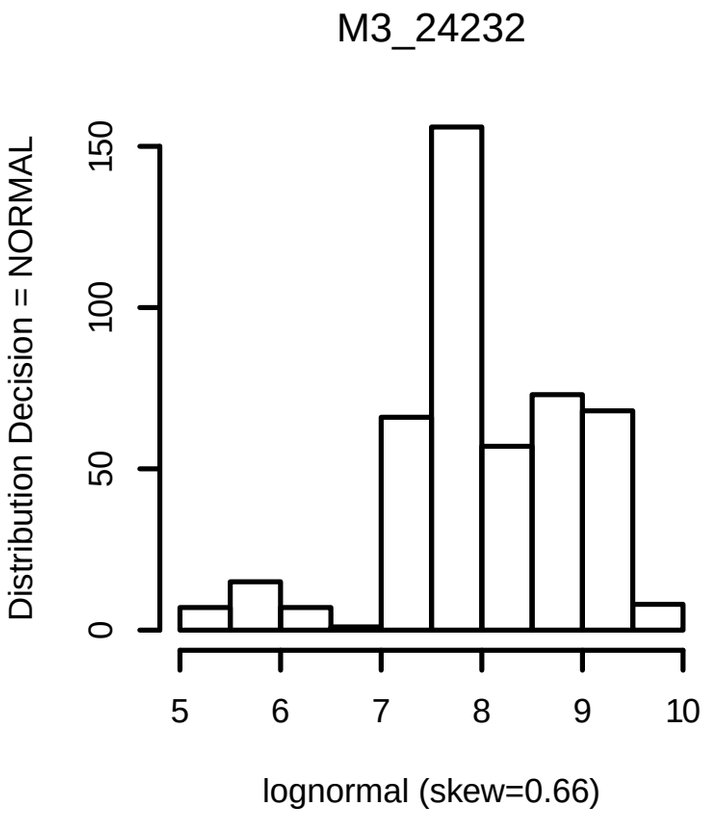

M3_03592
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
2000
6000
10000
normal (skew=0.2)

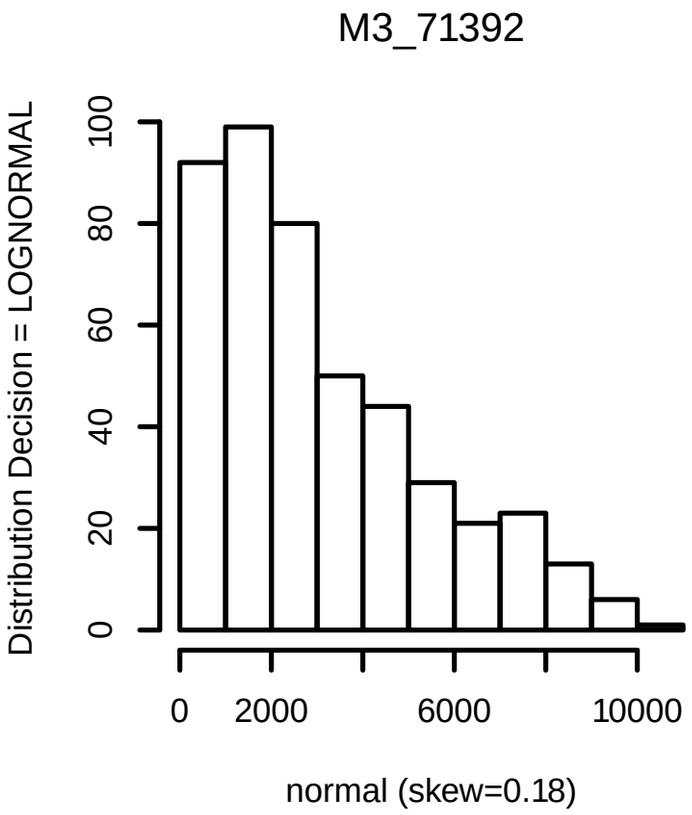

M3_03592
Distribution Decision = NORMAL
0
50
100
150
6
7
8
9
lognormal (skew=0.3)

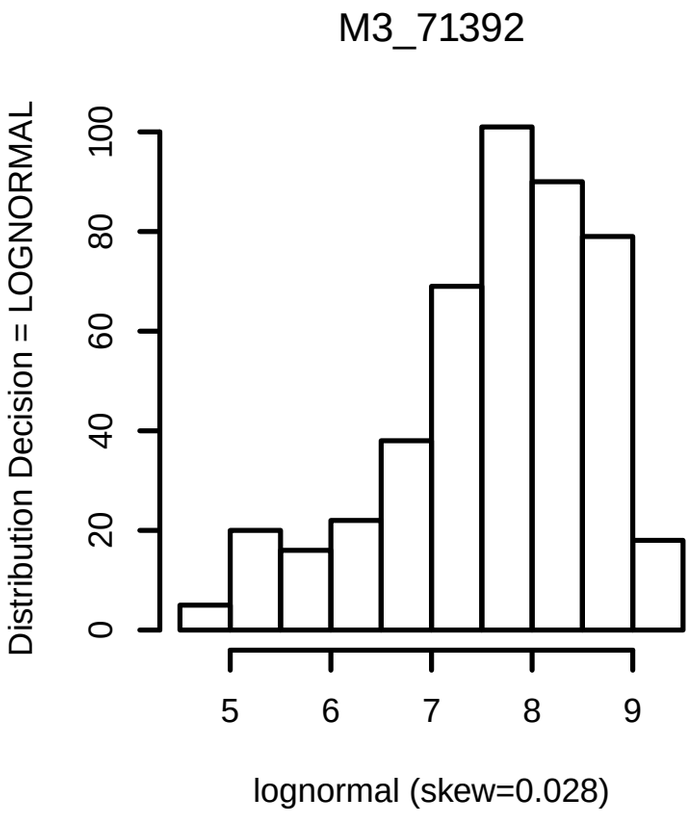

M3_26844
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
2000
6000
10000
normal (skew=0)

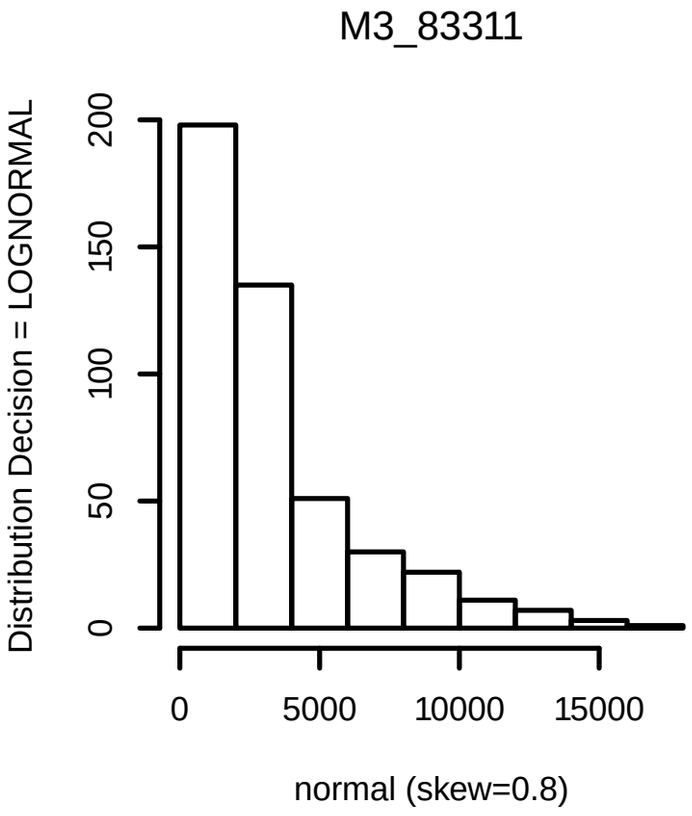

M3_26844
Distribution Decision = NORMAL
0
20
40
60
80
120
3
4
5
6
7
8
9
lognormal (skew=0.043)

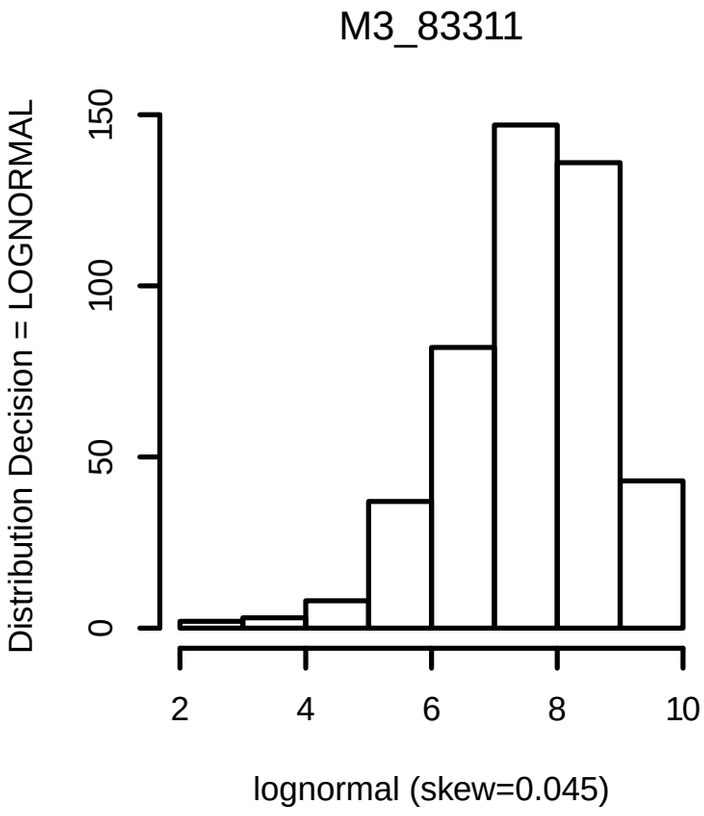

M3_24232
Distribution Decision = NORMAL
0
50
100
150
0
5000
10000
15000
20000
normal (skew=0.64)

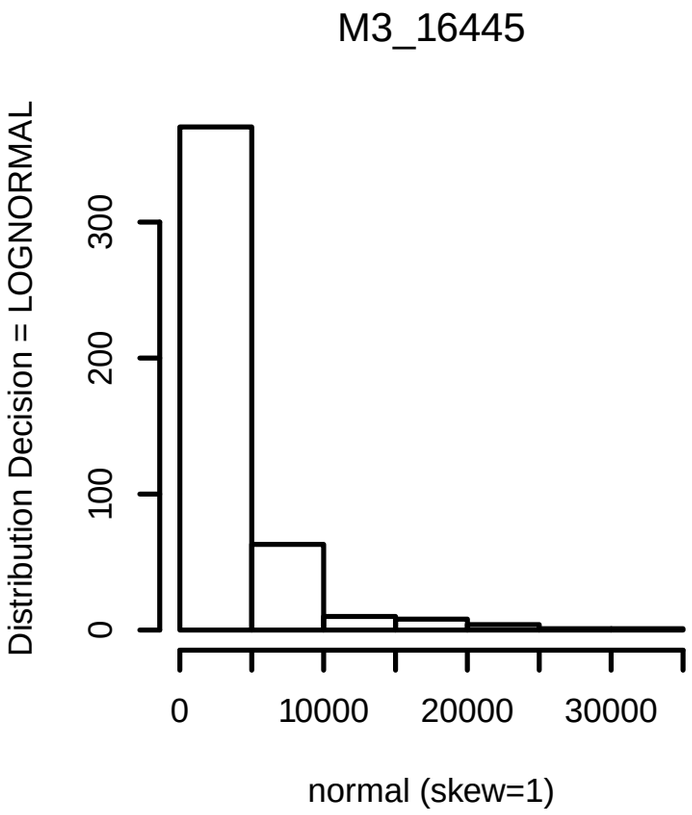

M3_24232
Distribution Decision = NORMAL
0
50
100
150
5
6
7
8
9
10
lognormal (skew=0.66)

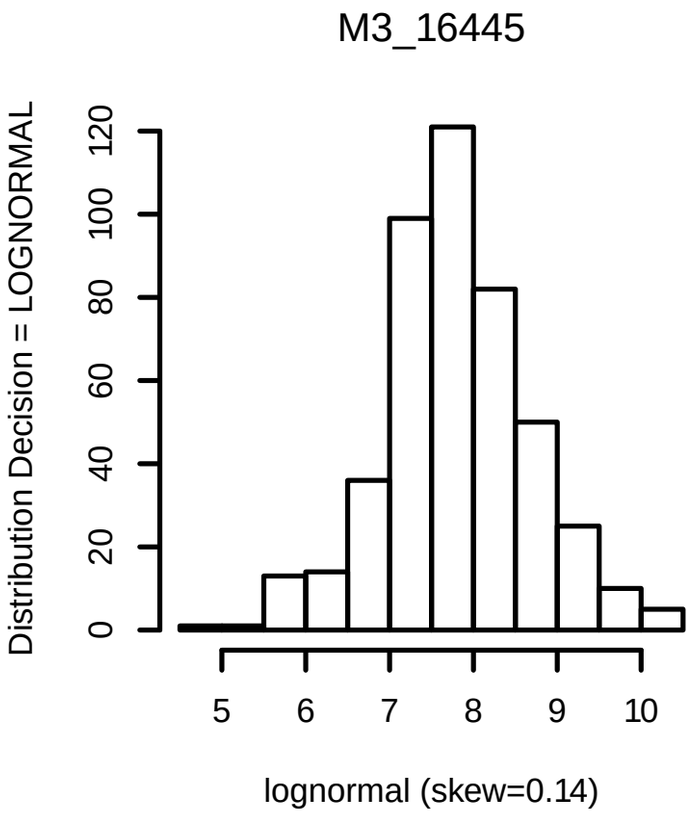

M3_71392
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2000
6000
10000
normal (skew=0.18)

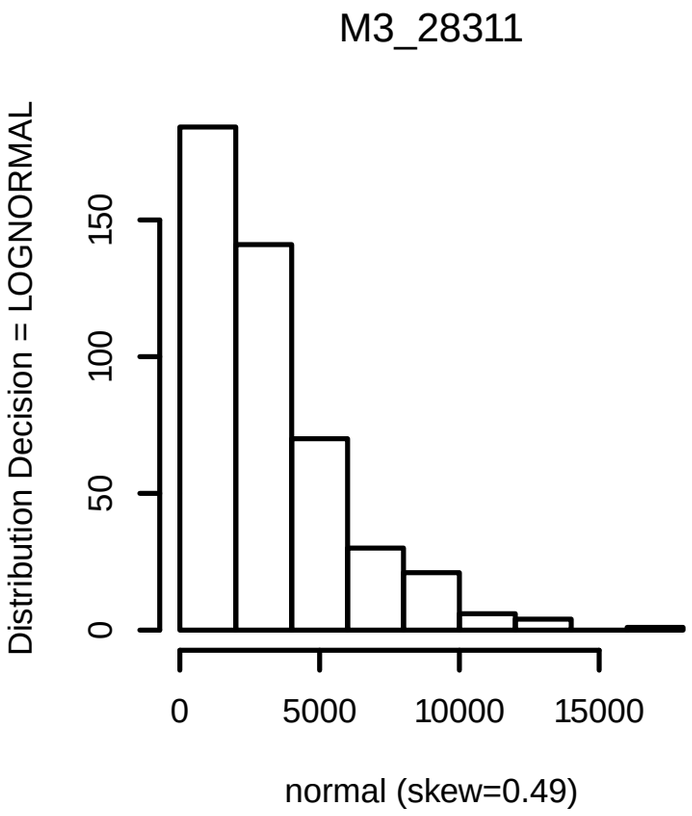

M3_71392
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
lognormal (skew=0.028)

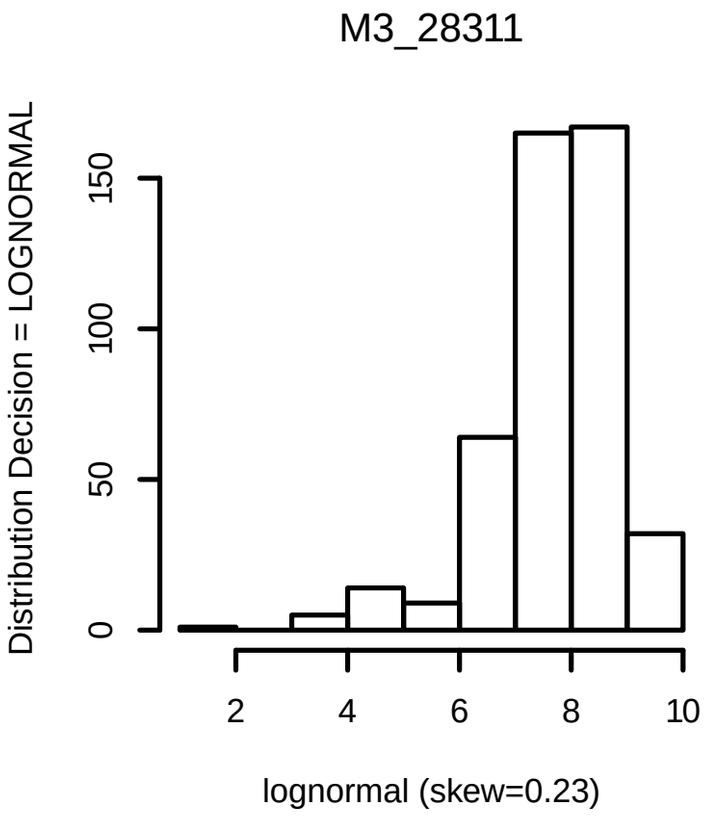

M3_83311
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
5000
10000
15000
normal (skew=0.8)

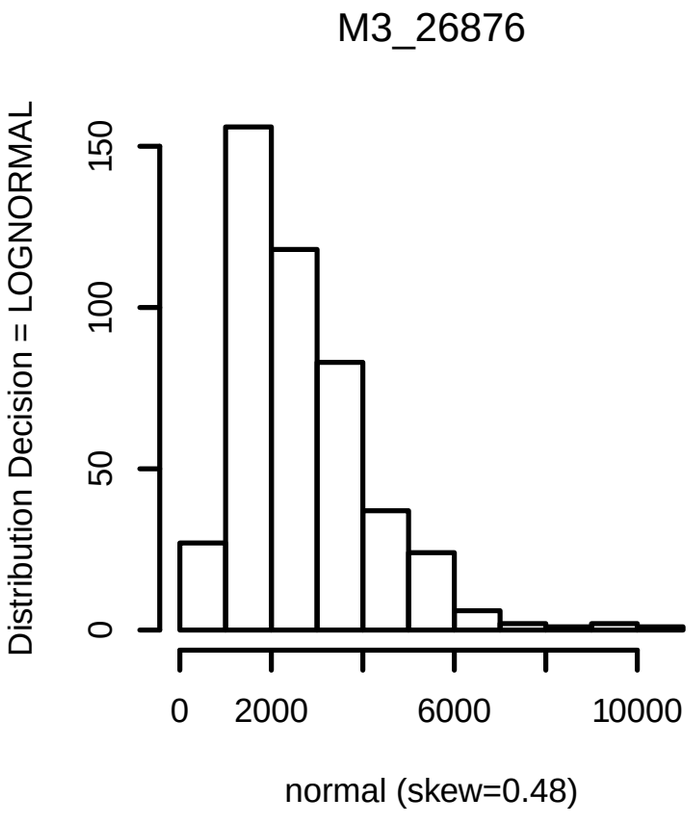

M3_83311
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.045)

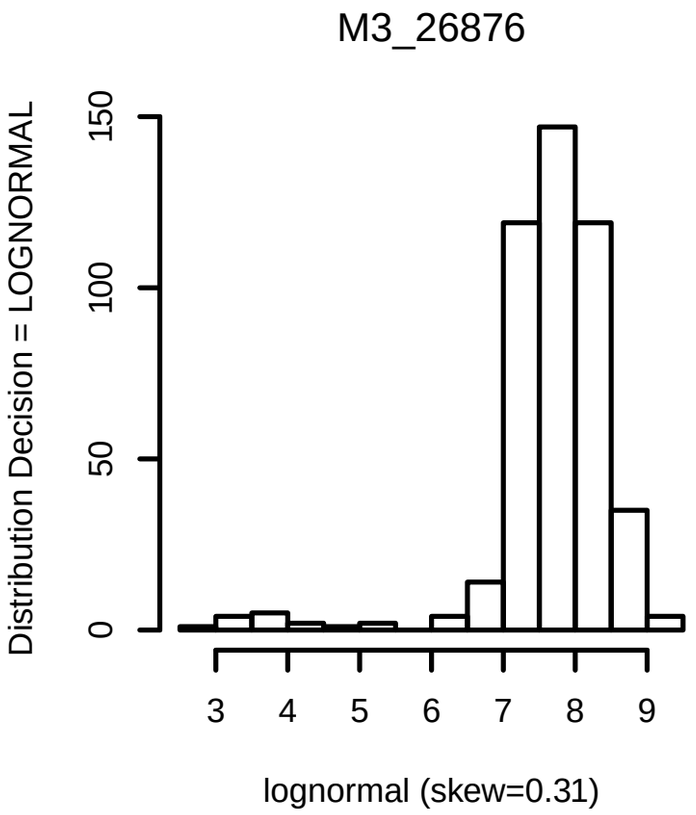

M3_16445
Distribution Decision = LOGNORMAL
0
100
200
300
0
10000
20000
30000
normal (skew=1)

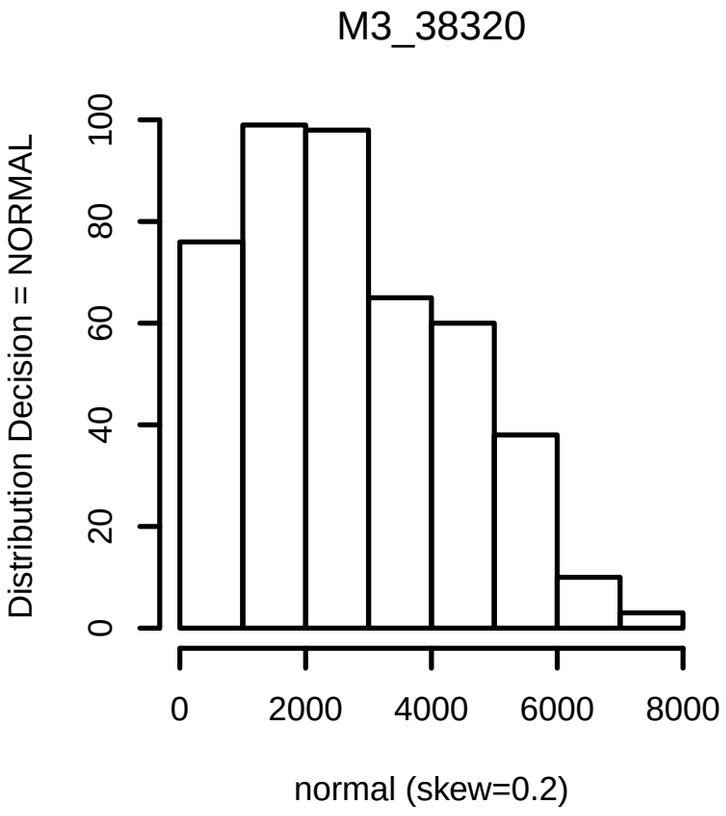

M3_16445
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
5
6
7
8
9
10
lognormal (skew=0.14)

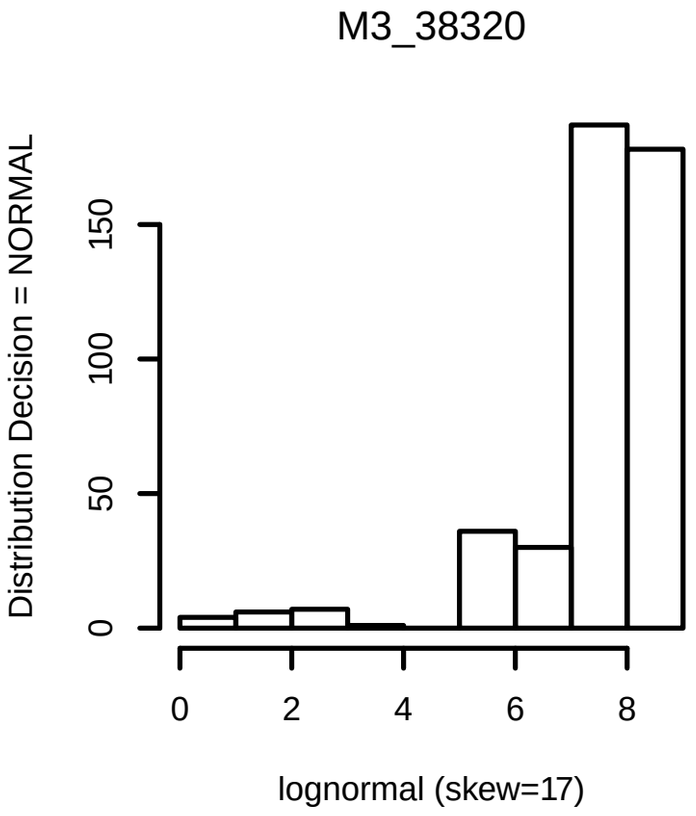

M3_28311
Distribution Decision = LOGNORMAL
0
50
100
150
0
5000
10000
15000
normal (skew=0.49)

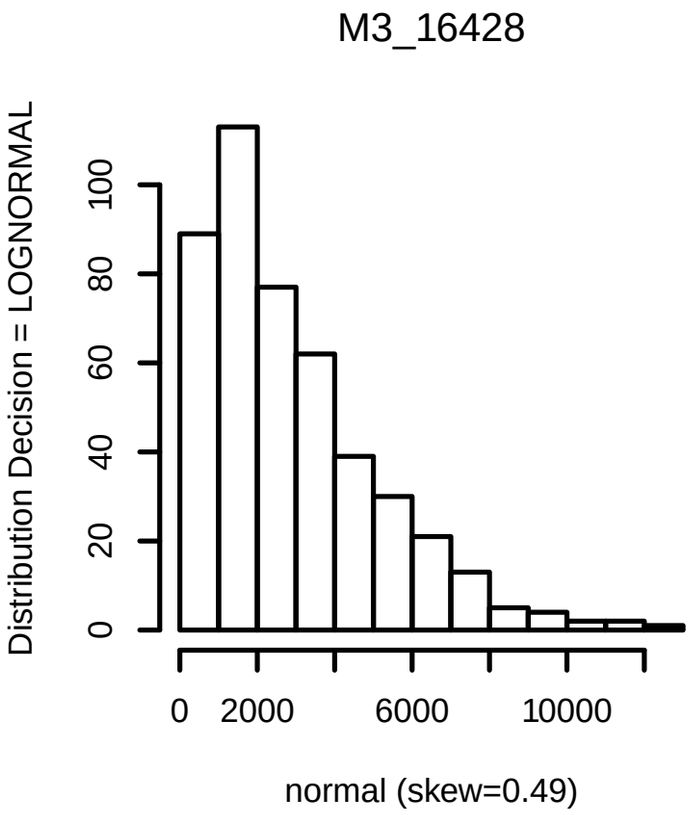

M3_28311
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.23)

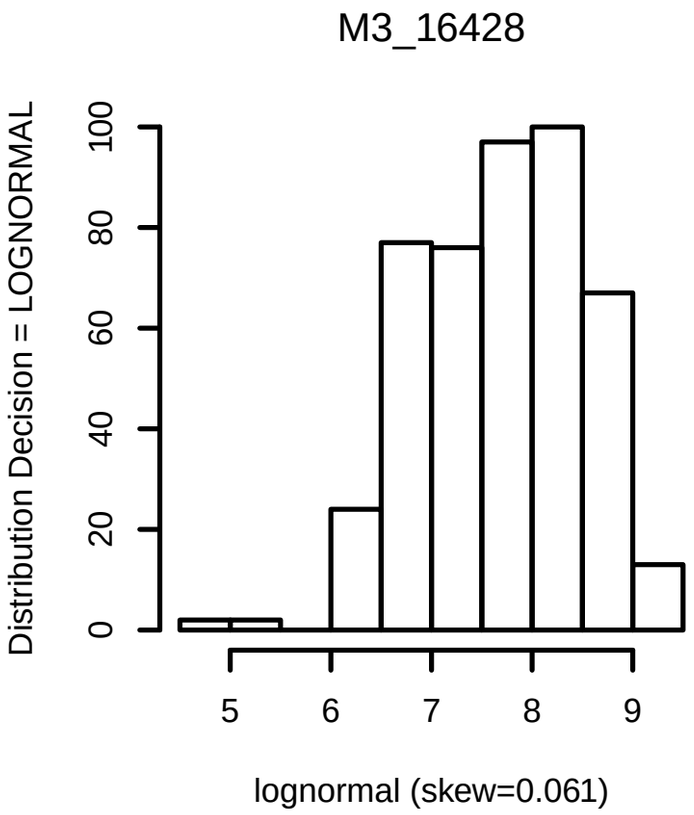

M3_26876
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
6000
10000
normal (skew=0.48)

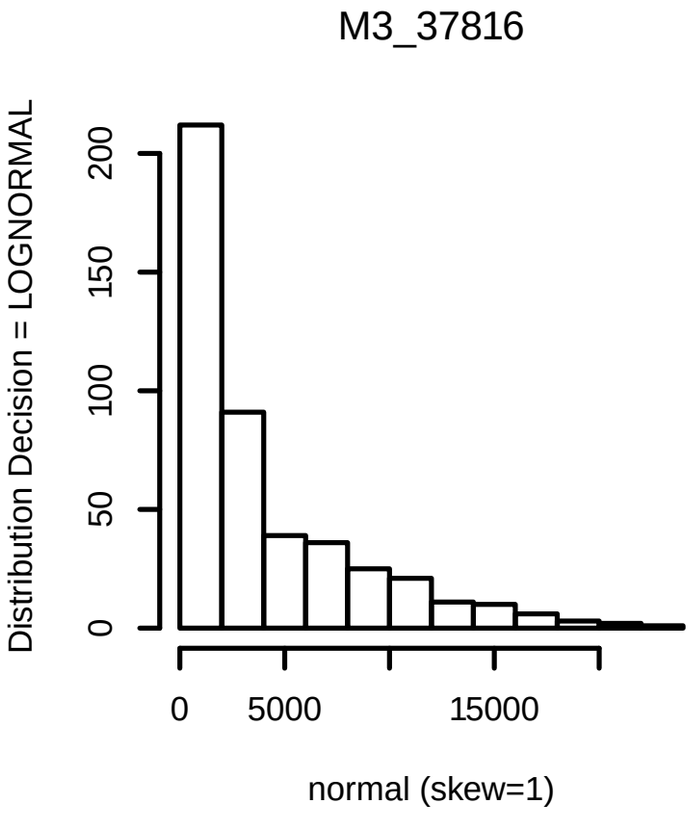

M3_26876
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
9
lognormal (skew=0.31)

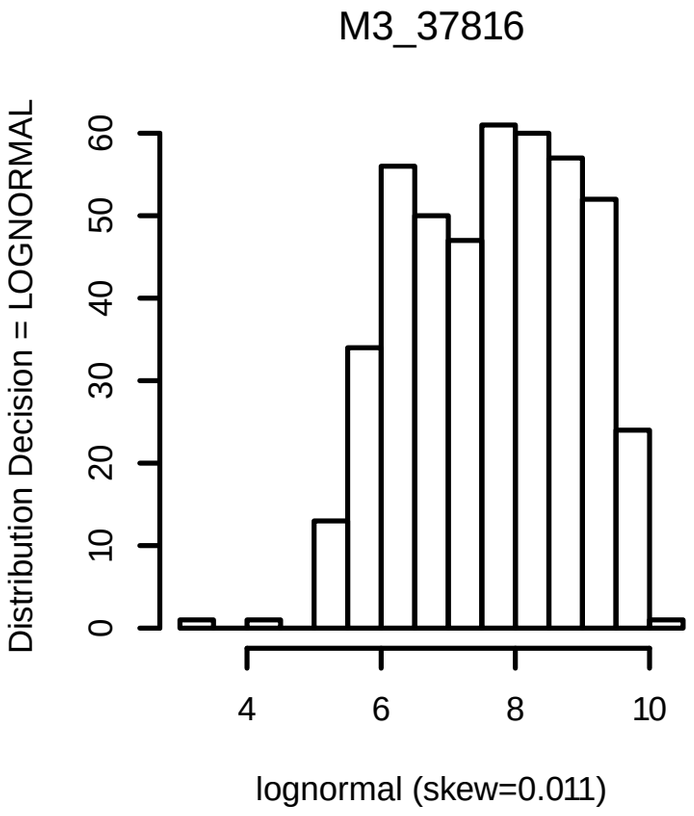

M3_38320
Distribution Decision = NORMAL
0
20
40
60
80
100
0
2000
4000
6000
8000
normal (skew=0.2)

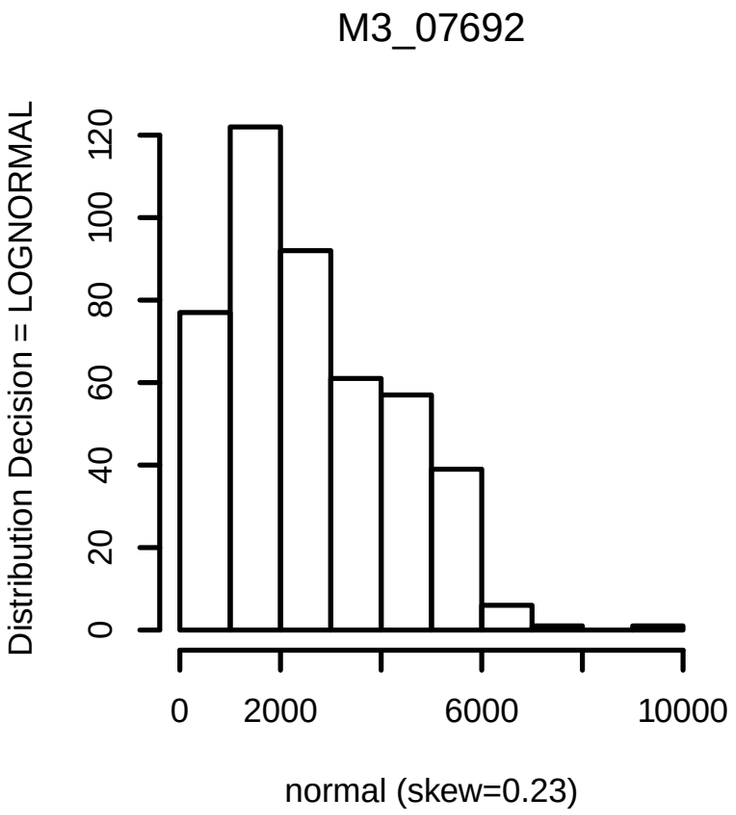

M3_38320
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=17)

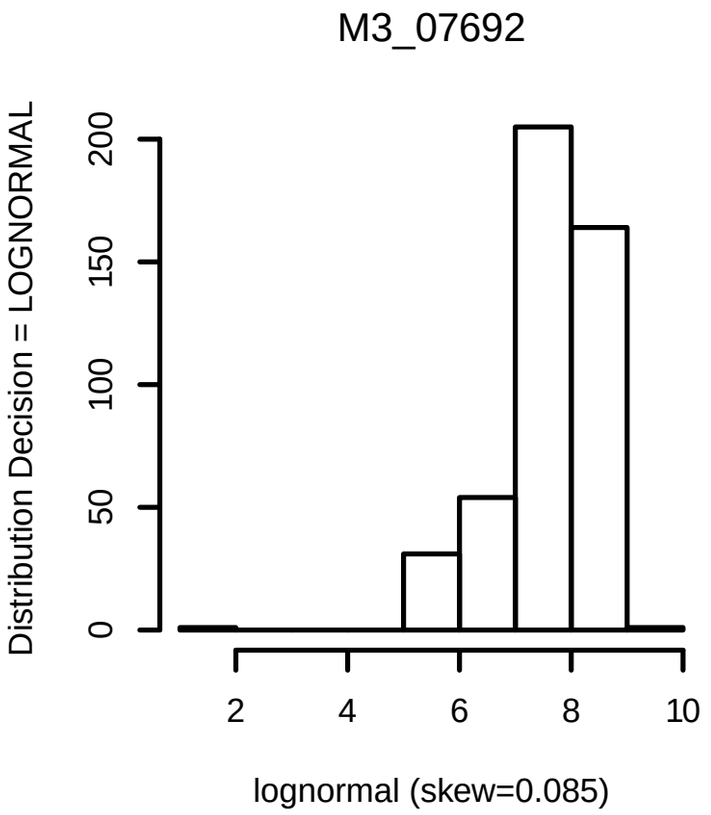

M3_16428
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2000
6000
10000
normal (skew=0.49)

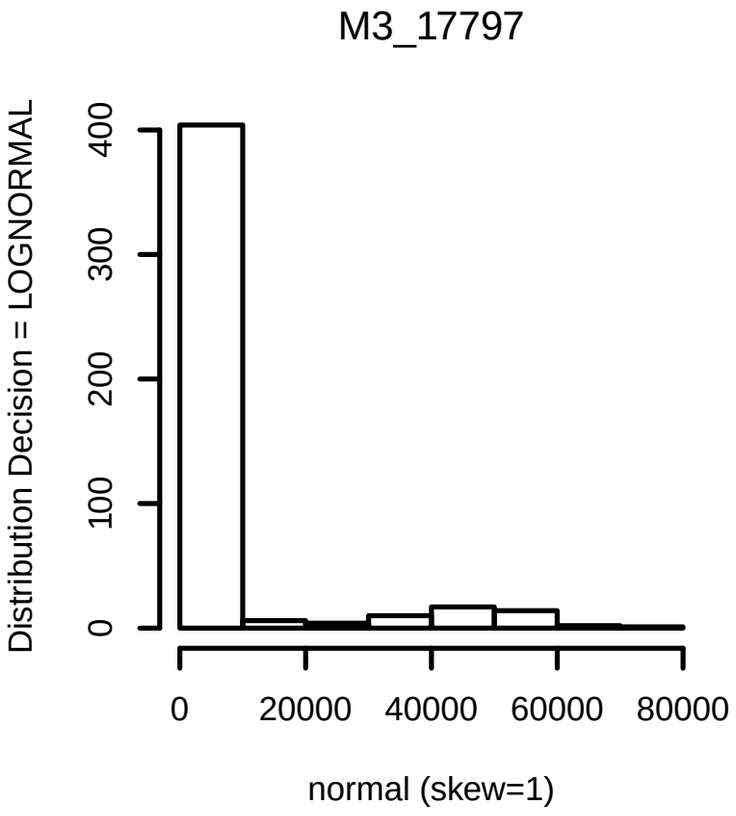

M3_16428
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
lognormal (skew=0.061)

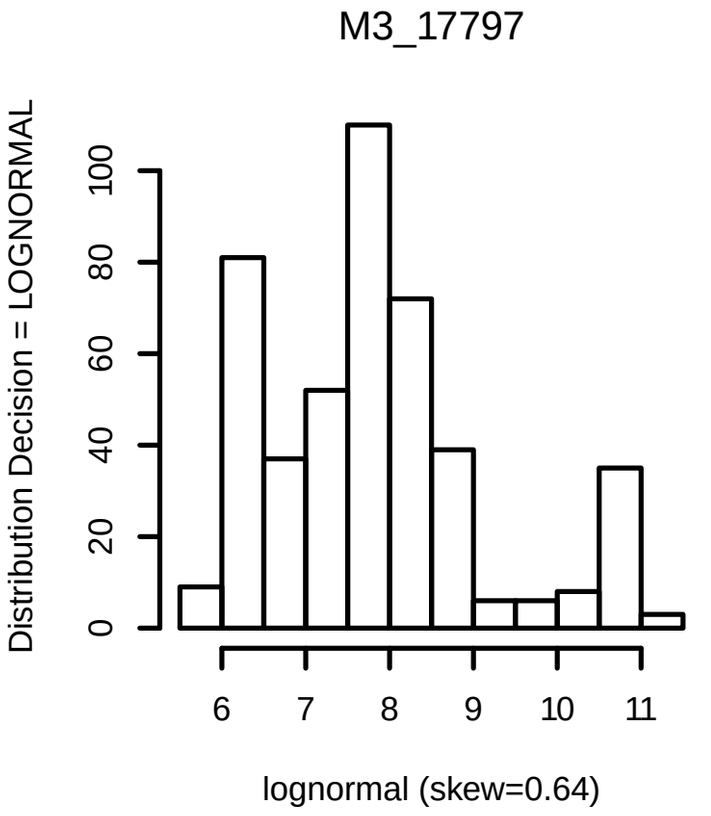

M3_37816
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
5000
15000
normal (skew=1)

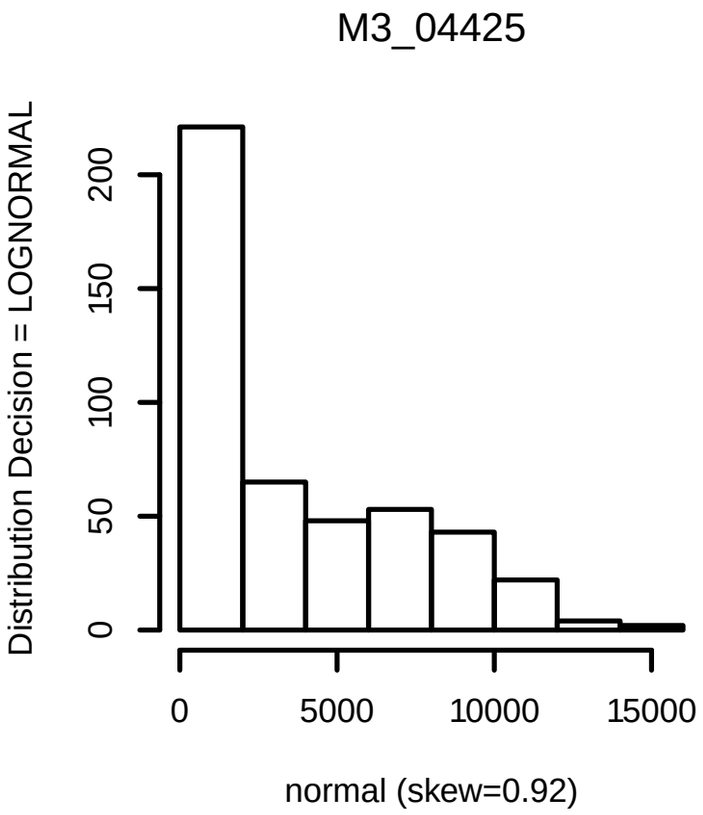

M3_37816
Distribution Decision = LOGNORMAL
0
10
20
30
40
50
60
4
6
8
10
lognormal (skew=0.011)

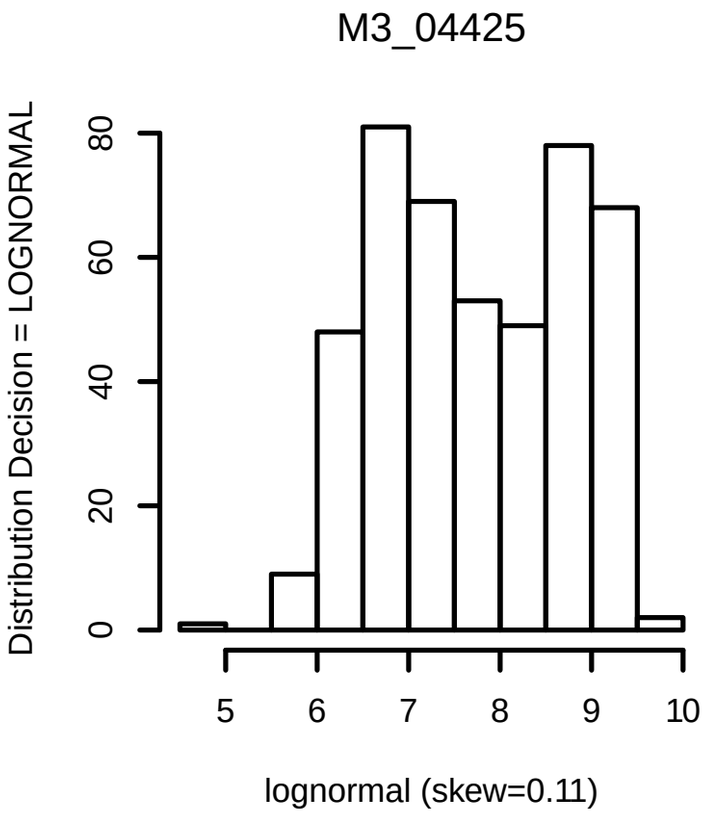

M3_07692
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
2000
6000
10000
normal (skew=0.23)

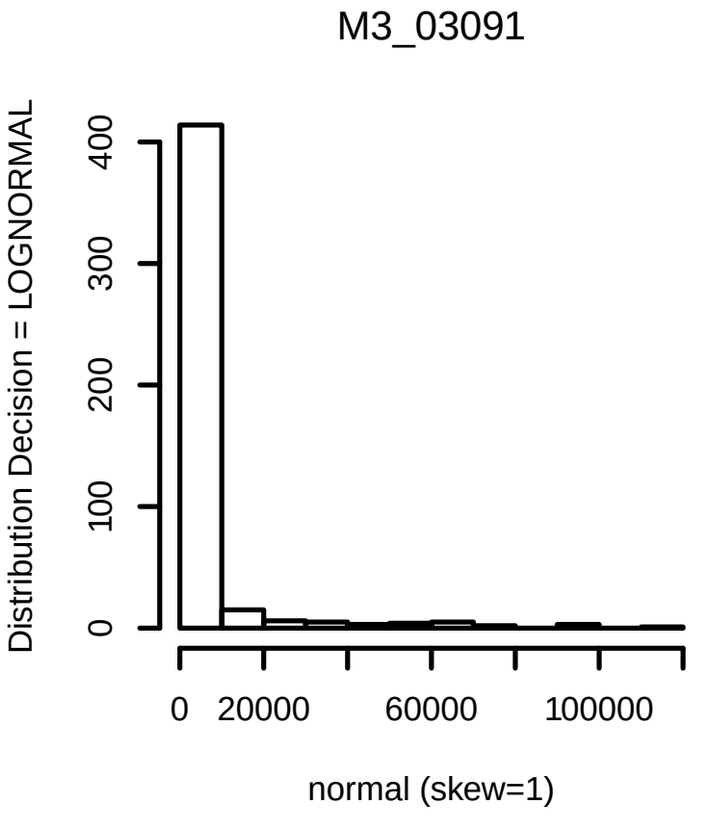

M3_07692
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.085)

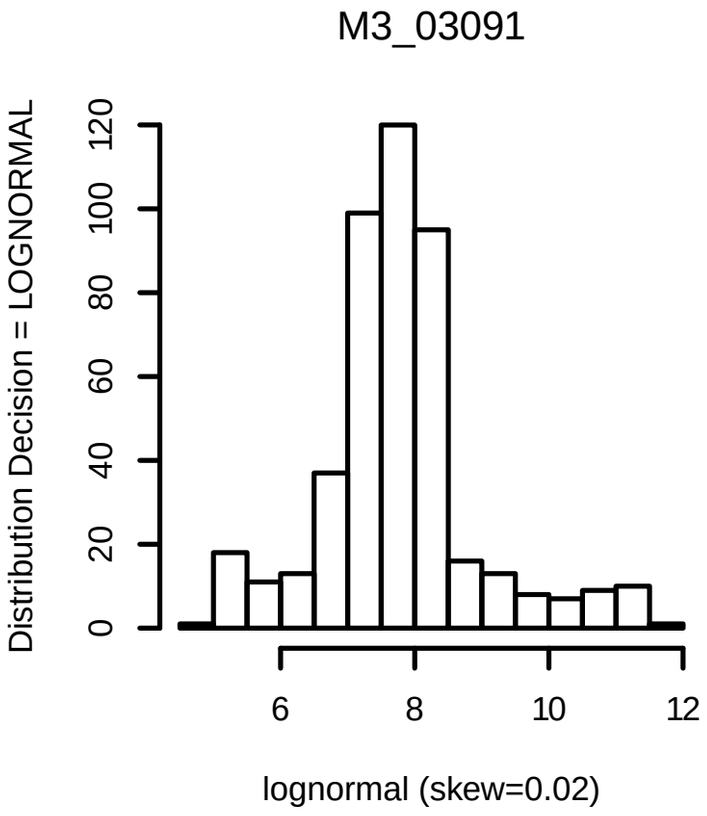

M3_17797
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
40000
60000
80000
normal (skew=1)

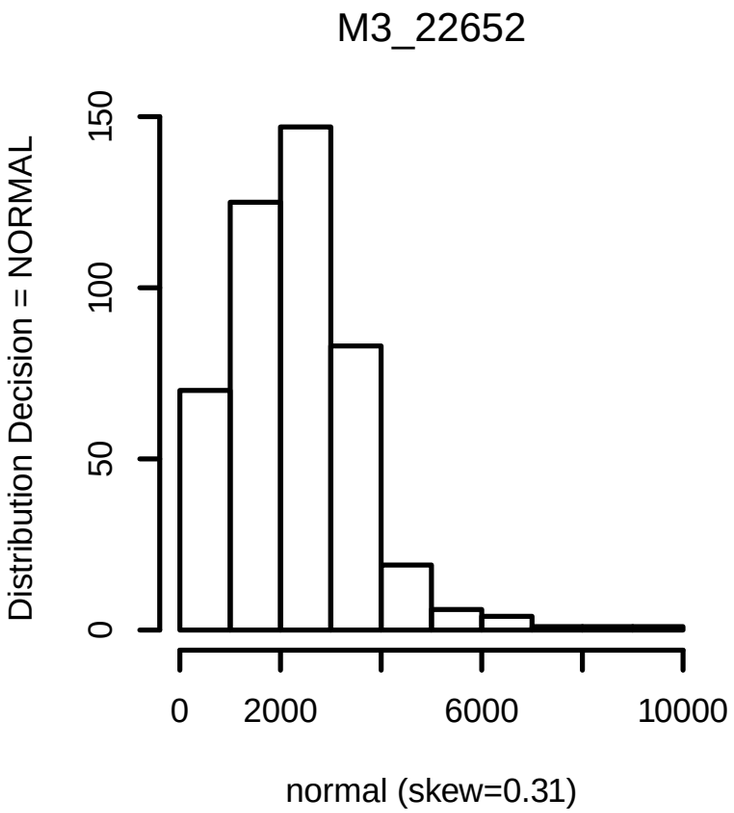

M3_17797
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
6
7
8
9
10
11
lognormal (skew=0.64)

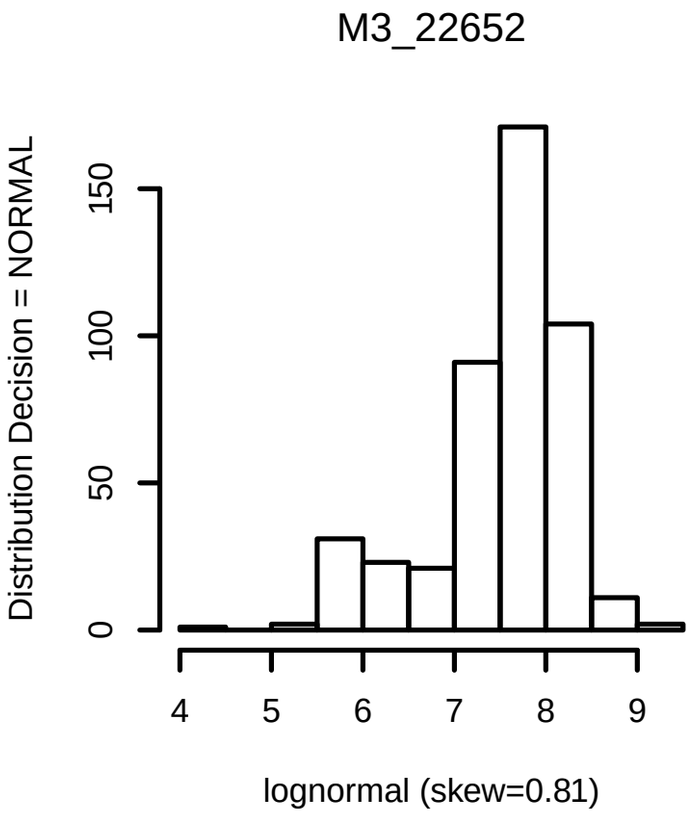

M3_04425
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
5000
10000
15000
normal (skew=0.92)

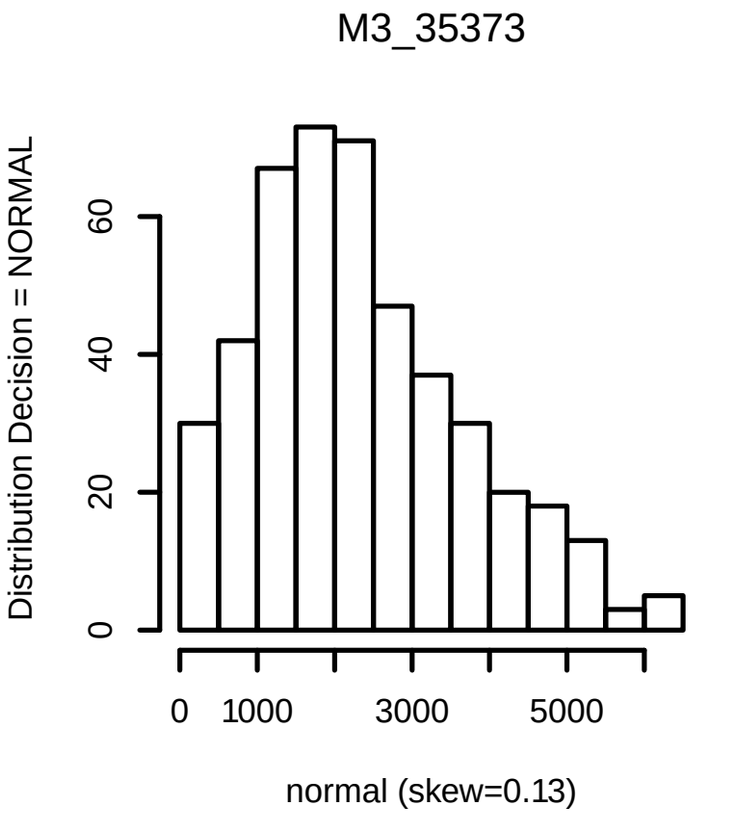

M3_04425
Distribution Decision = LOGNORMAL
0
20
40
60
80
5
6
7
8
9
10
lognormal (skew=0.11)

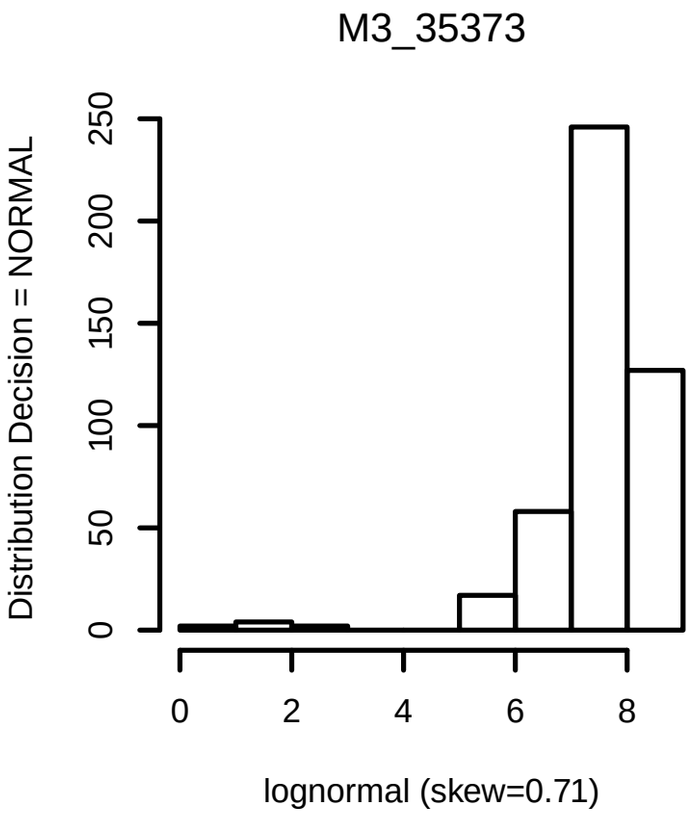

M3_03091
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
60000
100000
normal (skew=1)

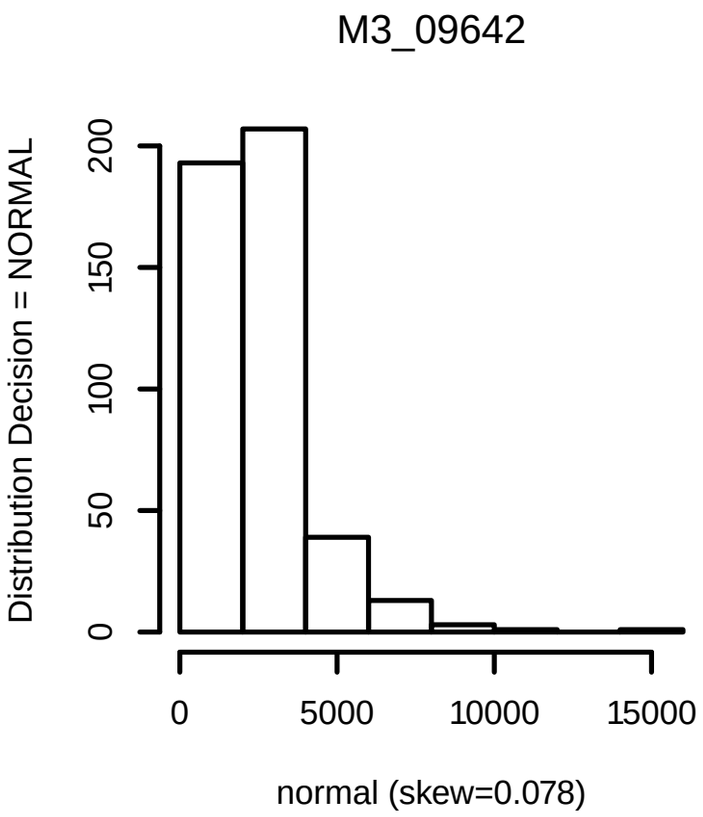

M3_03091
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
6
8
10
12
lognormal (skew=0.02)

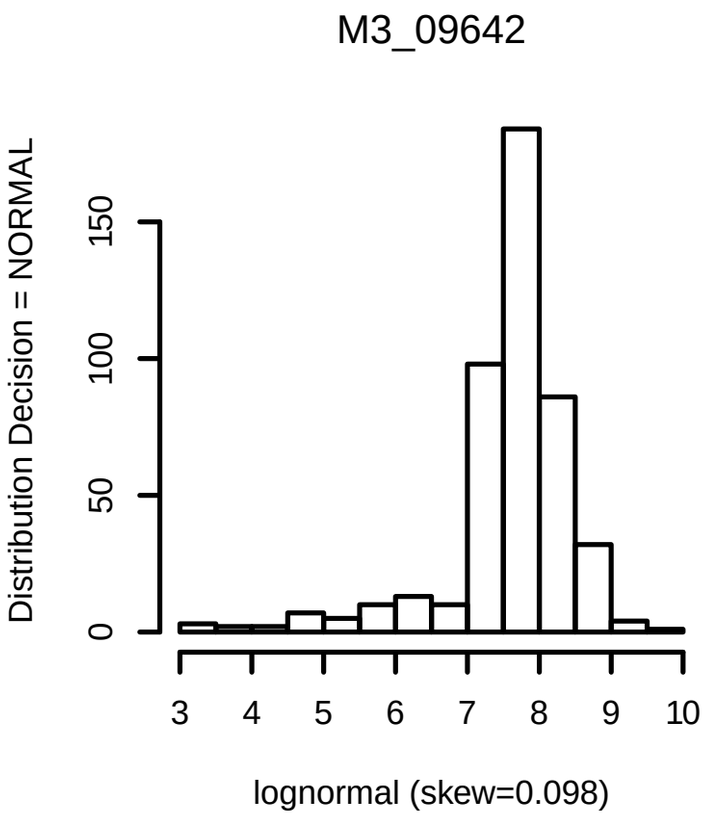

M3_22652
Distribution Decision = NORMAL
0
50
100
150
0
2000
6000
10000
normal (skew=0.31)

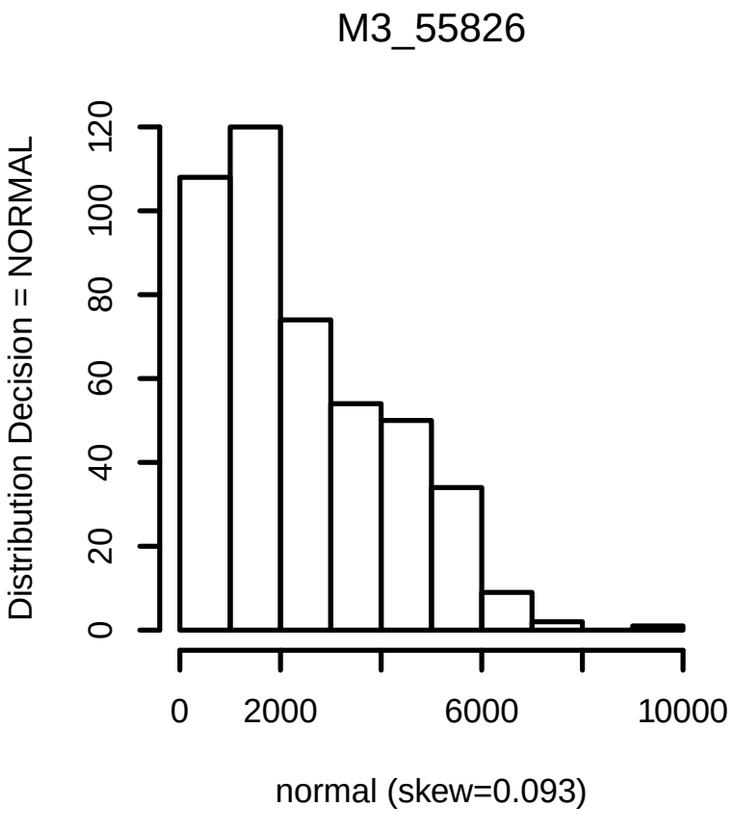

M3_22652
Distribution Decision = NORMAL
0
50
100
150
4
5
6
7
8
9
lognormal (skew=0.81)

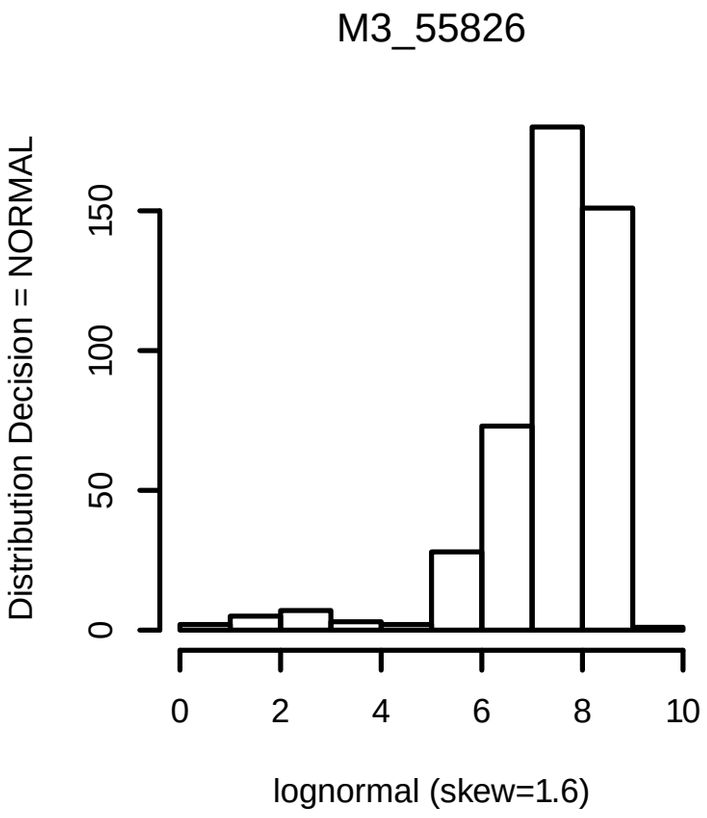

M3_35373
Distribution Decision = NORMAL
0
20
40
60
0
1000
3000
5000
normal (skew=0.13)

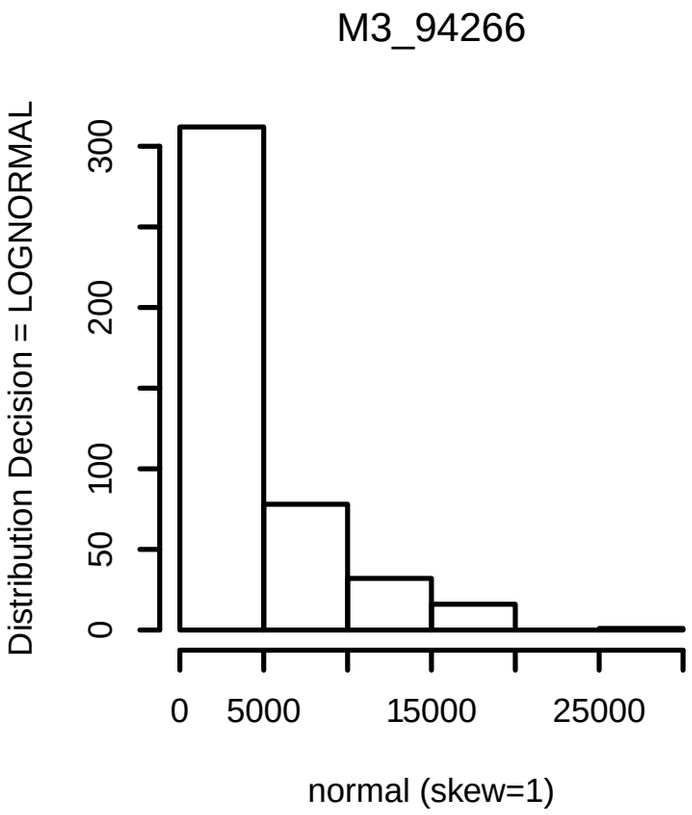

M3_35373
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.71)

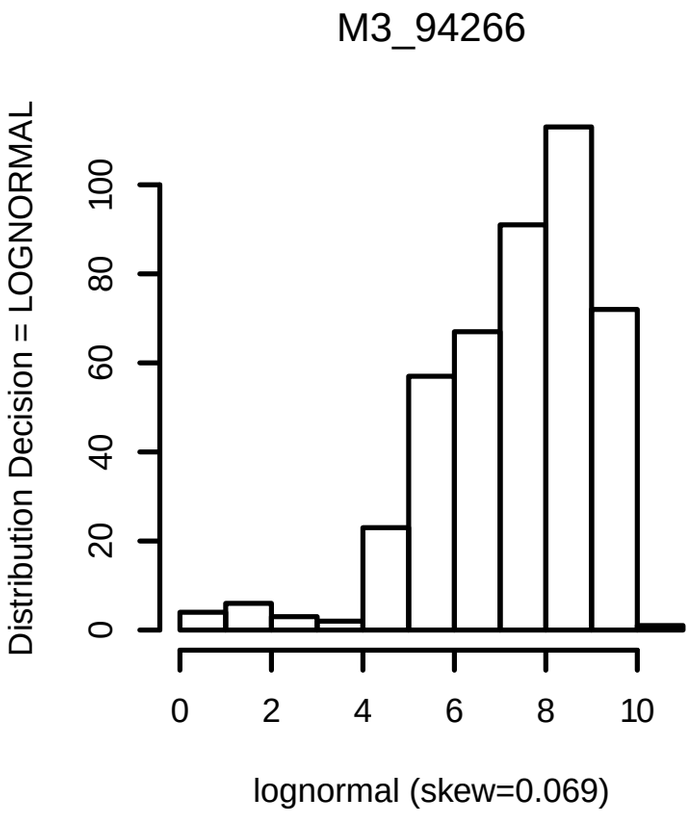

M3_09642
Distribution Decision = NORMAL
0
50
100
150
200
0
5000
10000
15000
normal (skew=0.078)

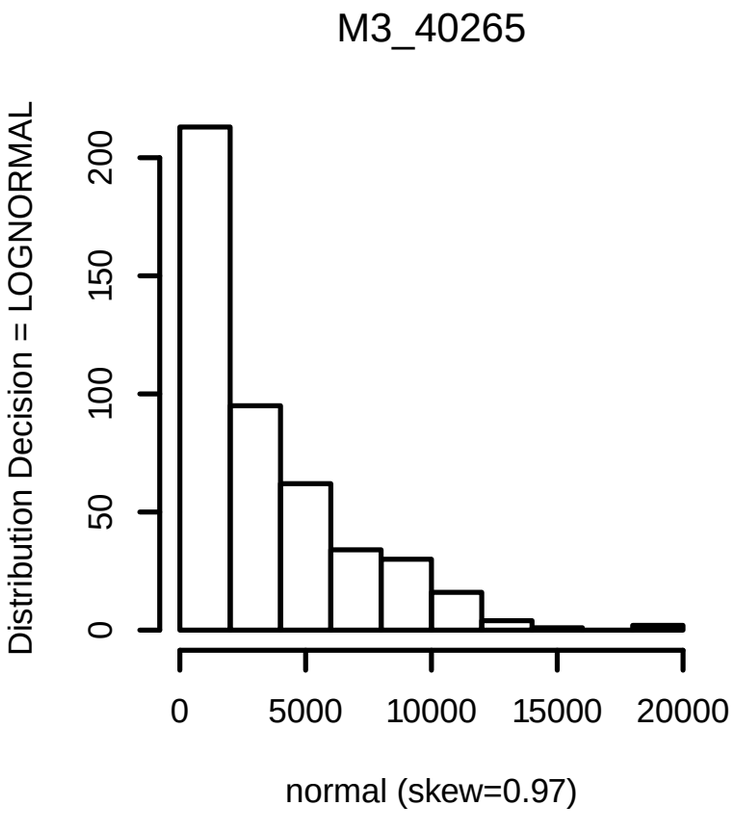

M3_09642
Distribution Decision = NORMAL
0
50
100
150
3
4
5
6
7
8
9
10
lognormal (skew=0.098)

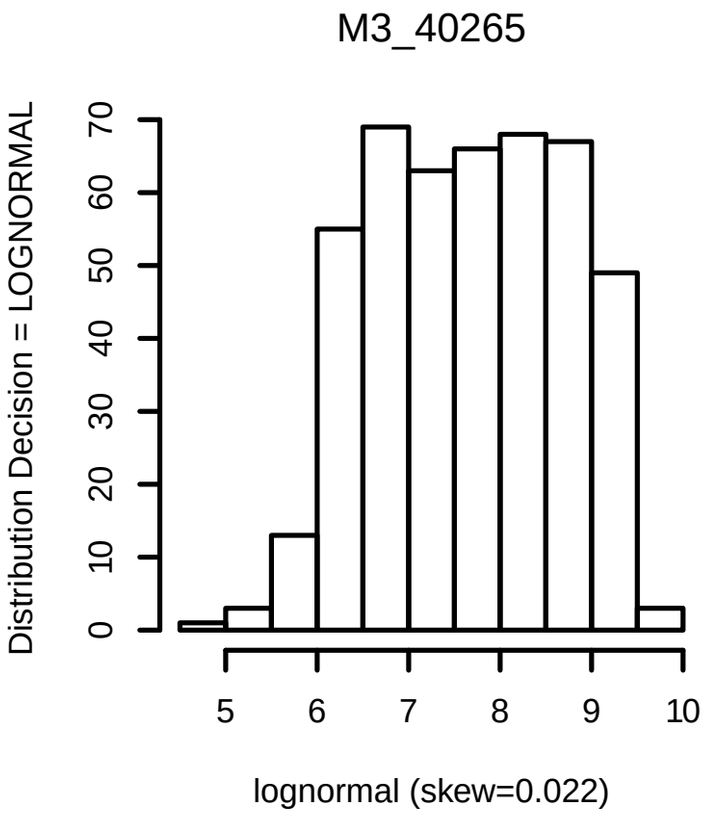

M3_55826
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
2000
6000
10000
normal (skew=0.093)

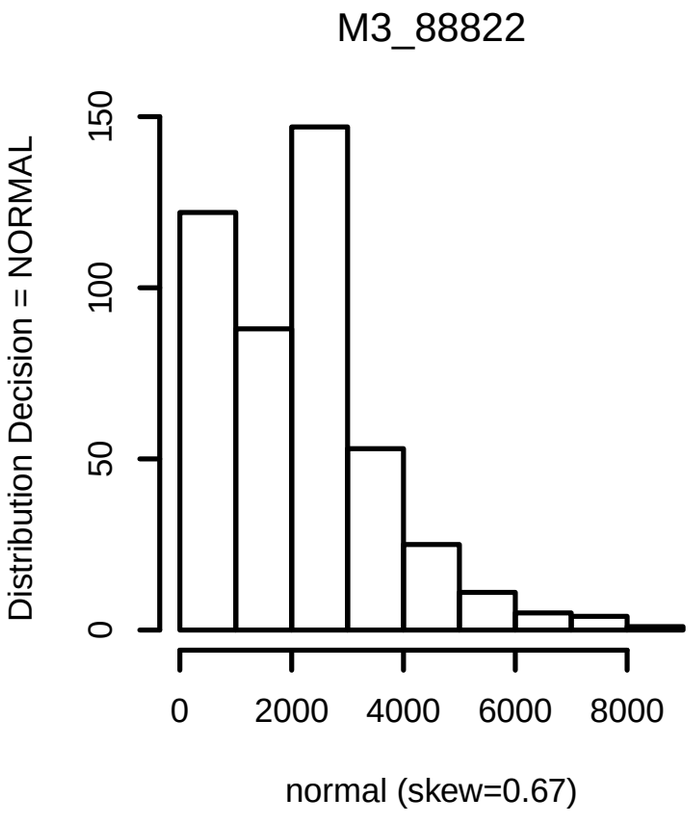

M3_55826
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=1.6)

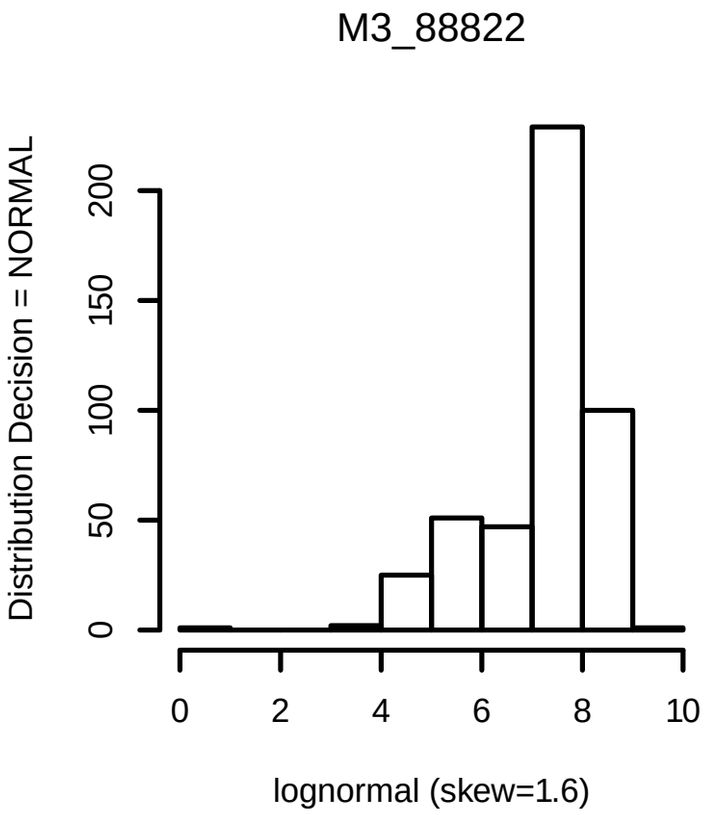

M3_94266
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
5000
15000
25000
normal (skew=1)

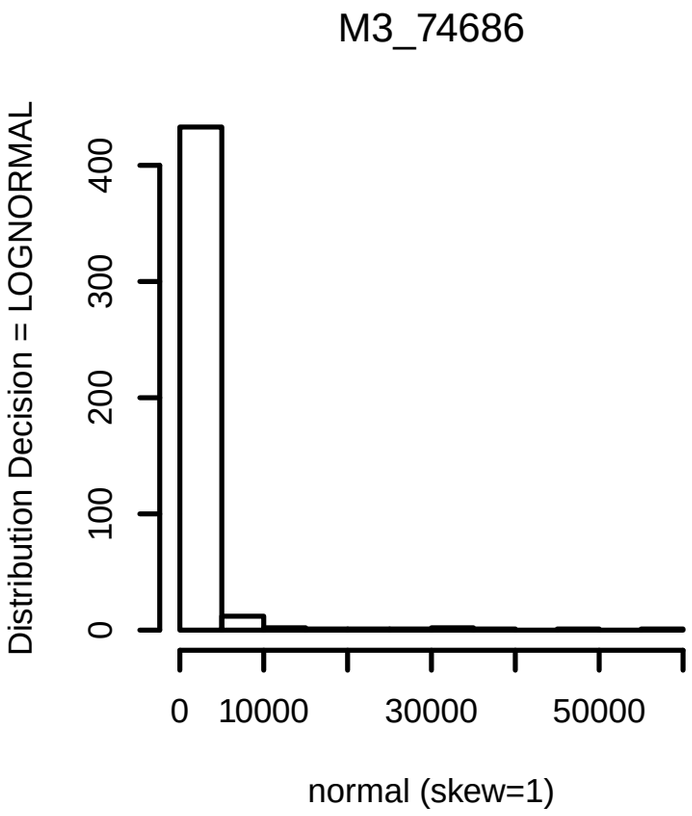

M3_94266
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2
4
6
8
10
lognormal (skew=0.069)

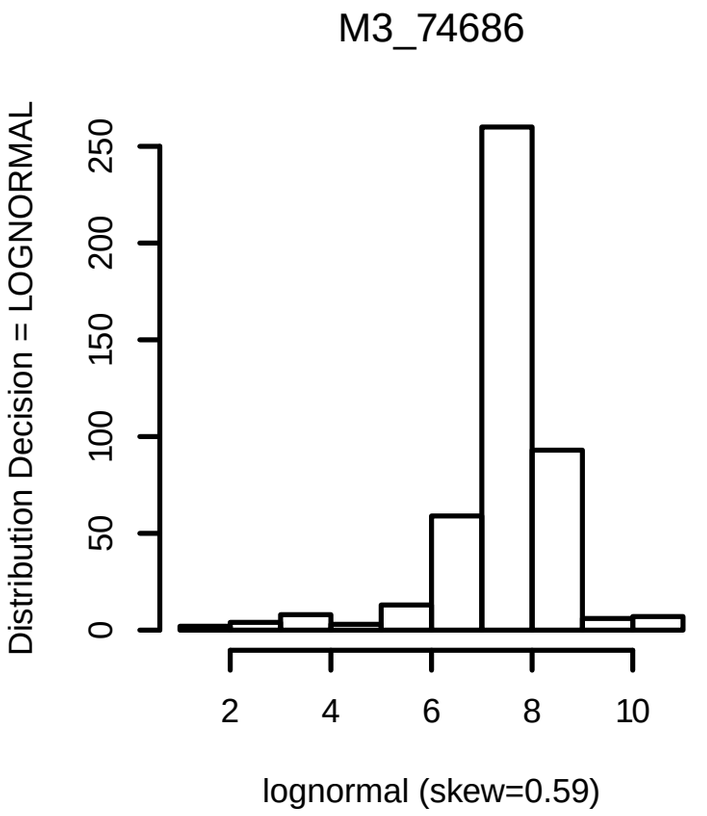

M3_40265
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
5000
10000
15000
20000
normal (skew=0.97)

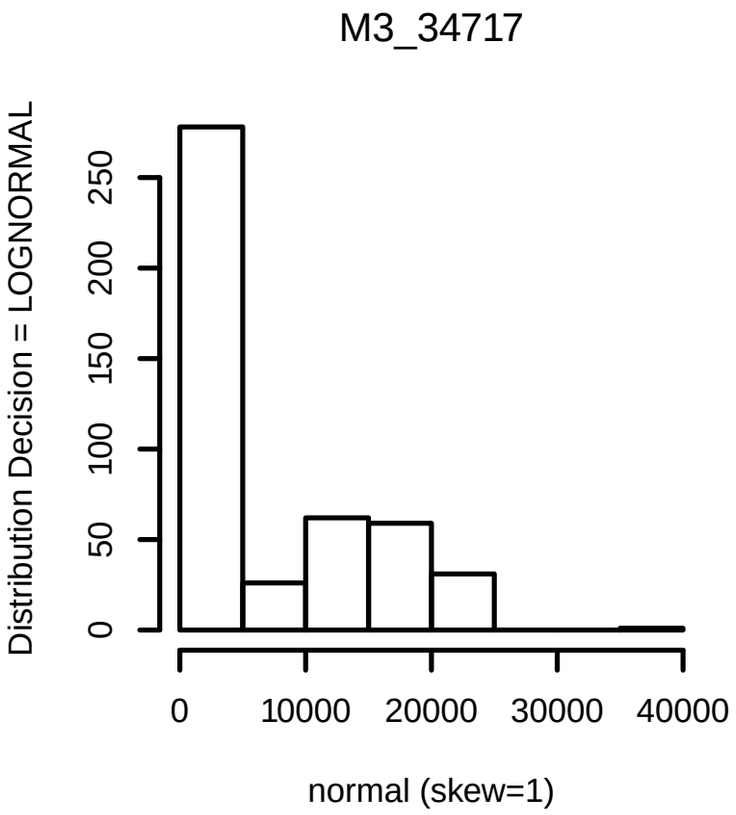

M3_40265
Distribution Decision = LOGNORMAL
0
10
20
30
40
50
60
70
5
6
7
8
9
10
lognormal (skew=0.022)

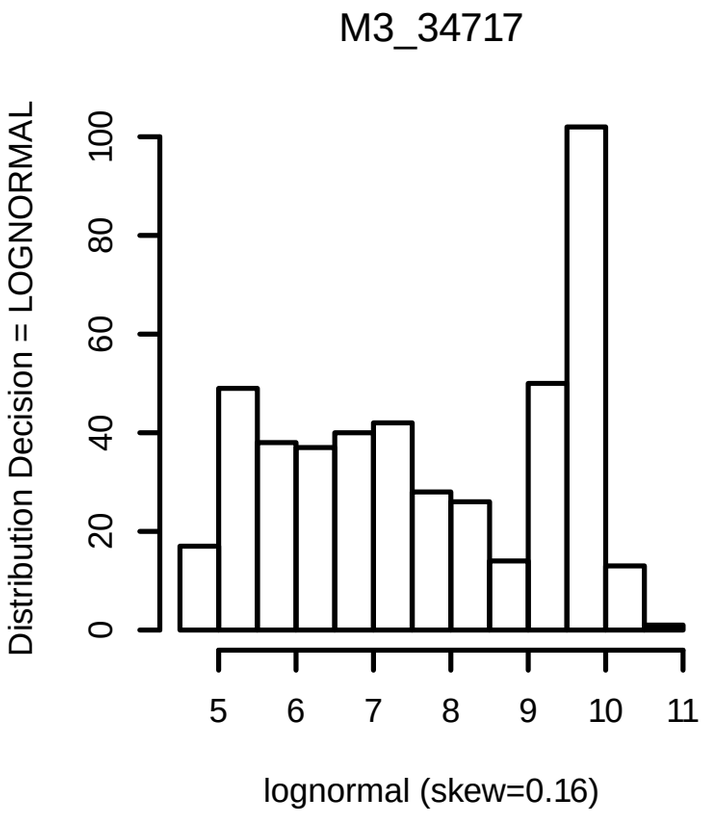

M3_88822
Distribution Decision = NORMAL
0
50
100
150
0
2000
4000
6000
8000
normal (skew=0.67)

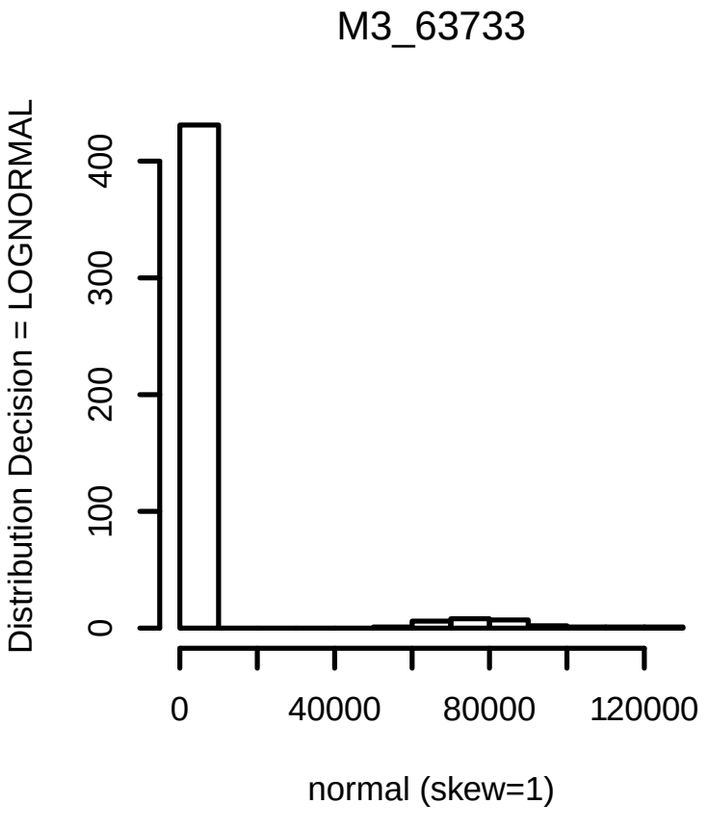

M3_88822
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=1.6)

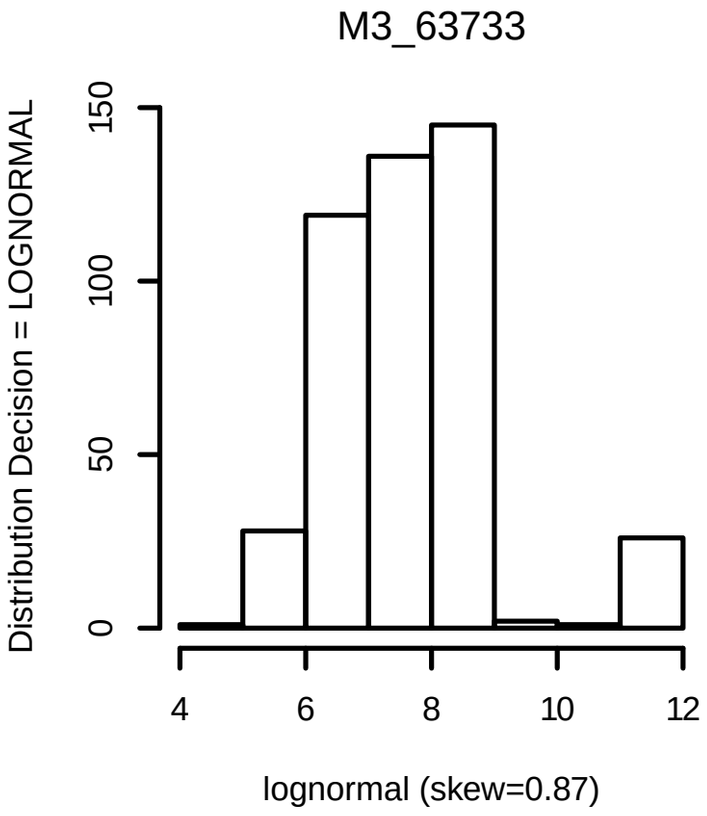

M3_74686
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
30000
50000
normal (skew=1)

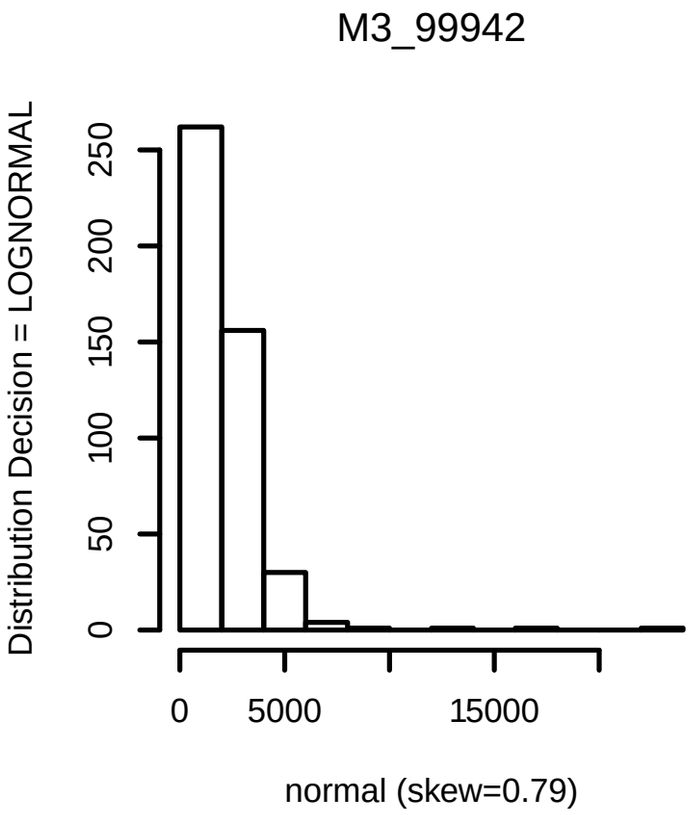

M3_74686
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
2
4
6
8
10
lognormal (skew=0.59)

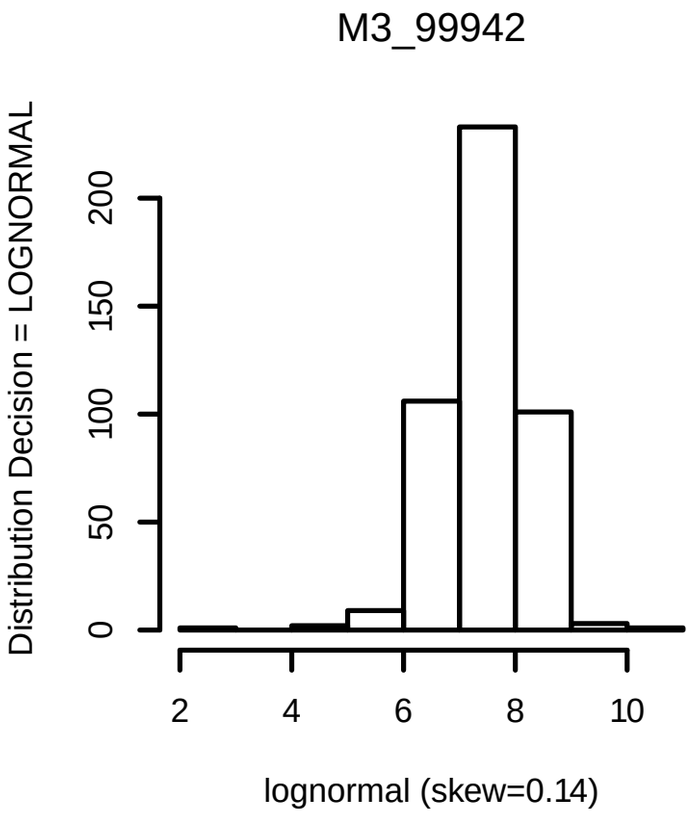

M3_34717
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
10000
20000
30000
40000
normal (skew=1)

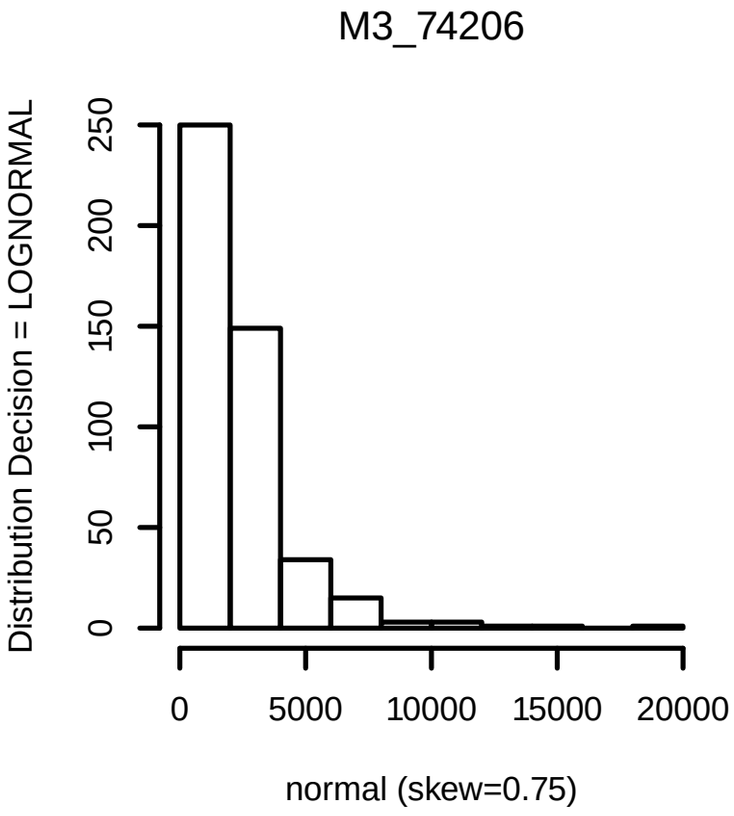

M3_34717
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
10
11
lognormal (skew=0.16)

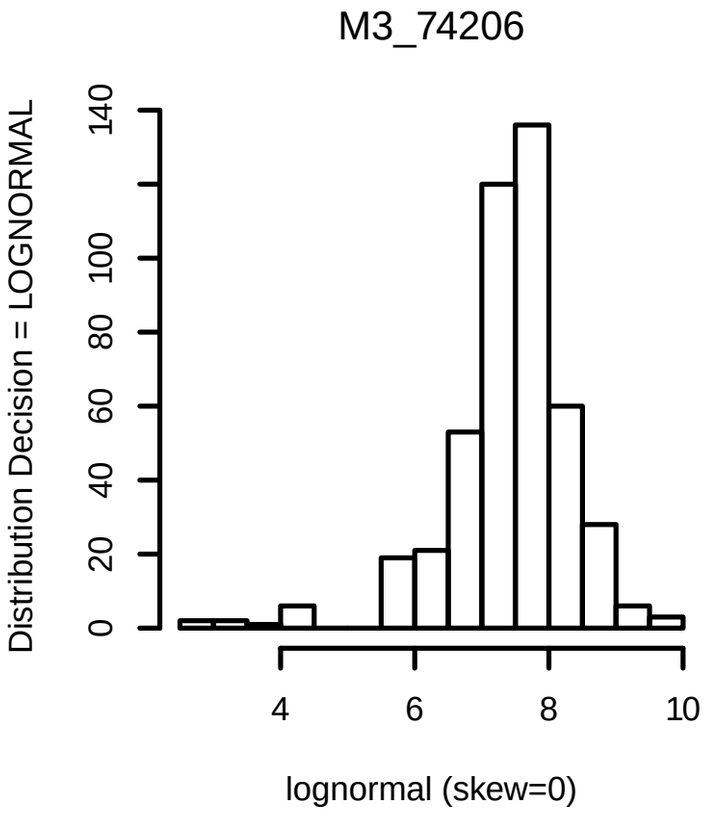

M3_63733
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
40000
80000
120000
normal (skew=1)

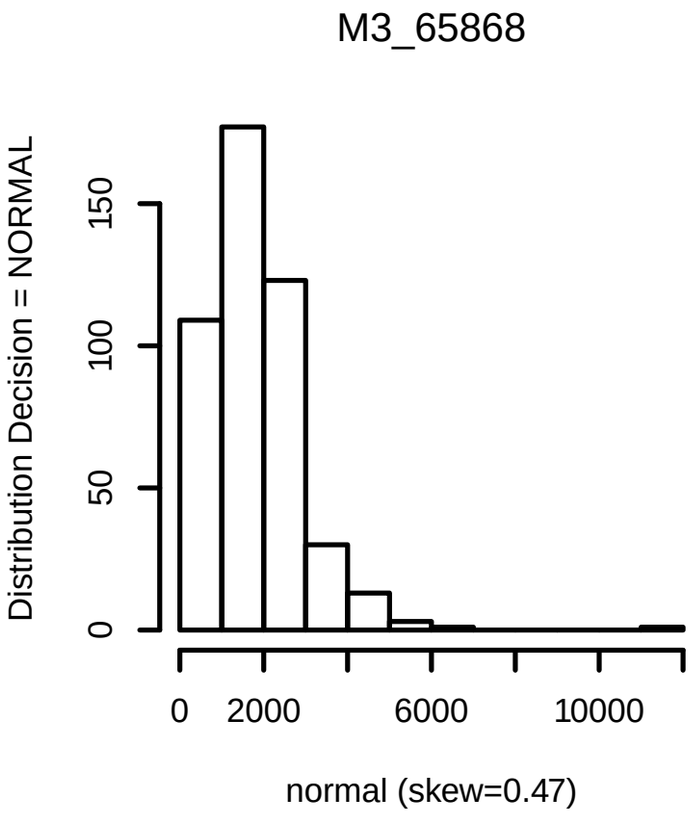

M3_63733
Distribution Decision = LOGNORMAL
0
50
100
150
4
6
8
10
12
lognormal (skew=0.87)

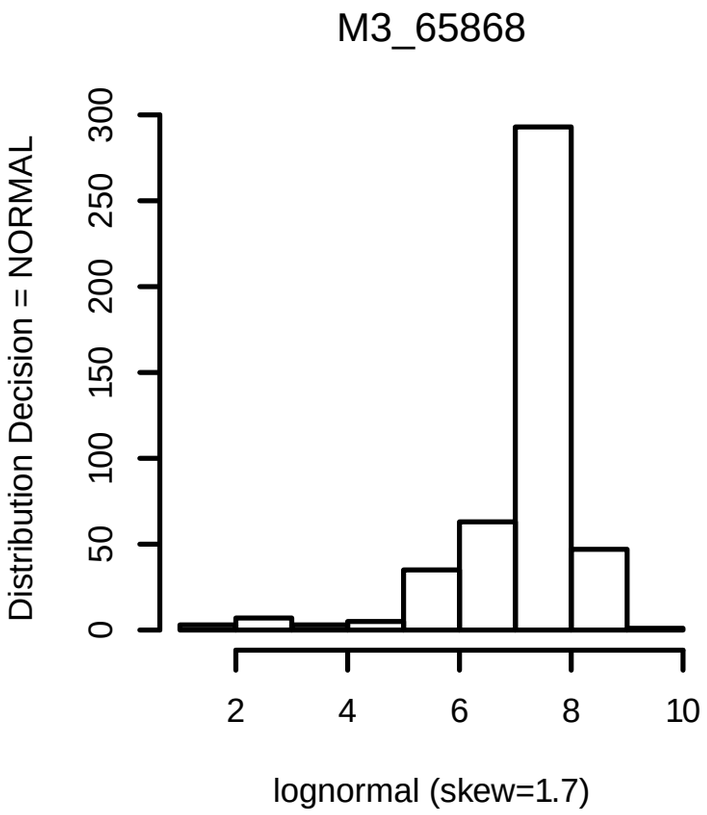

M3_99942
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
15000
normal (skew=0.79)

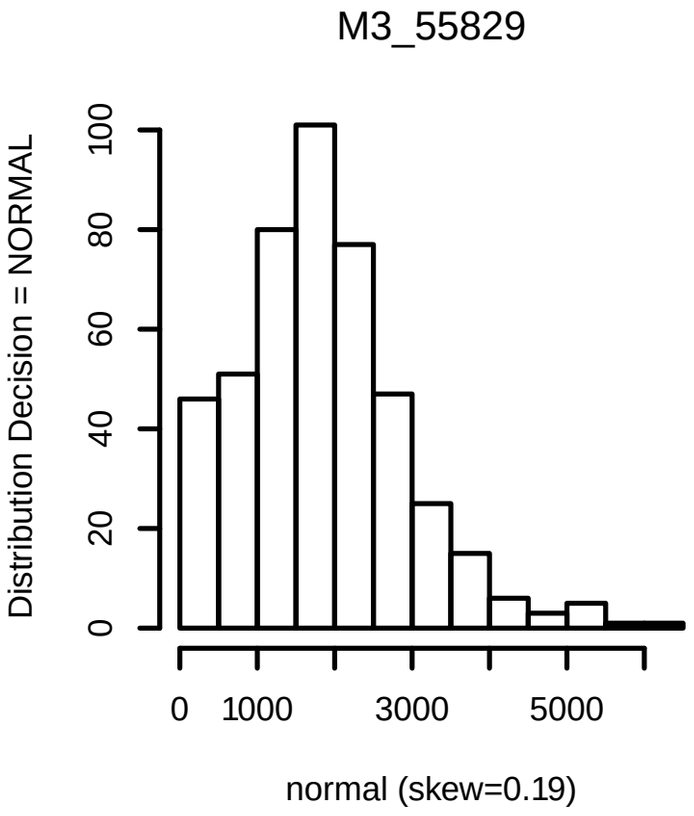

M3_99942
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.14)

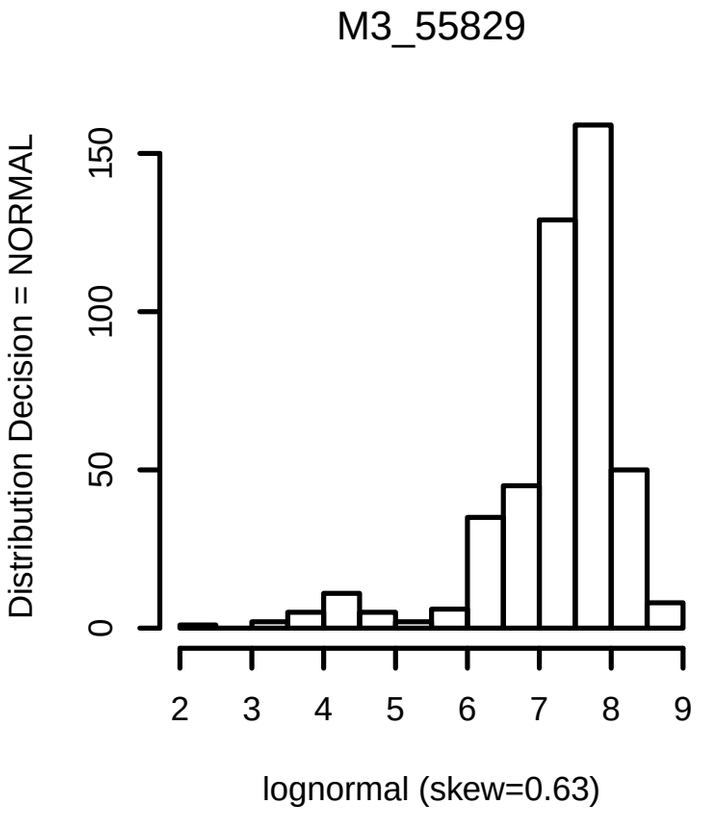

M3_74206
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
10000
15000
20000
normal (skew=0.75)

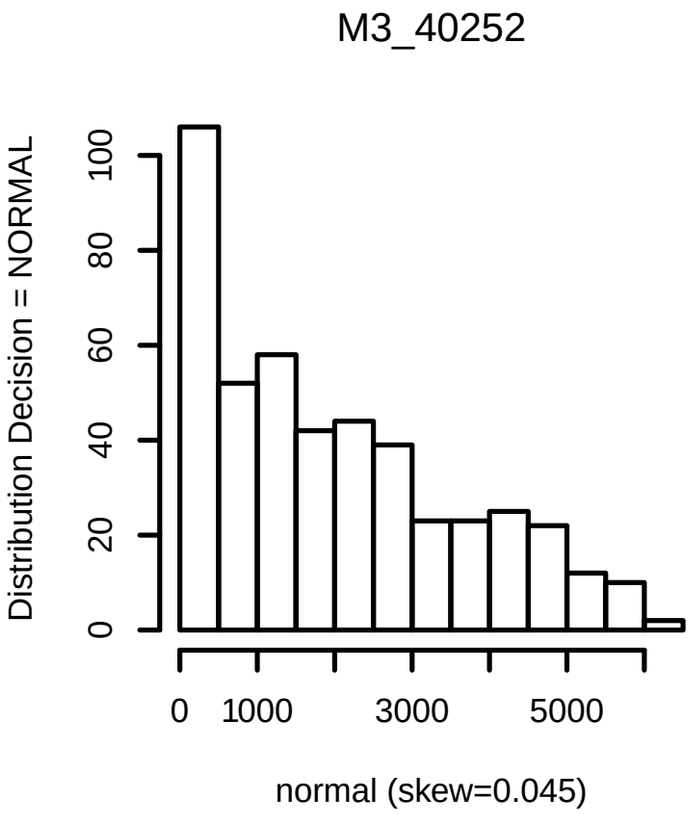

M3_74206
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
4
6
8
10
lognormal (skew=0)

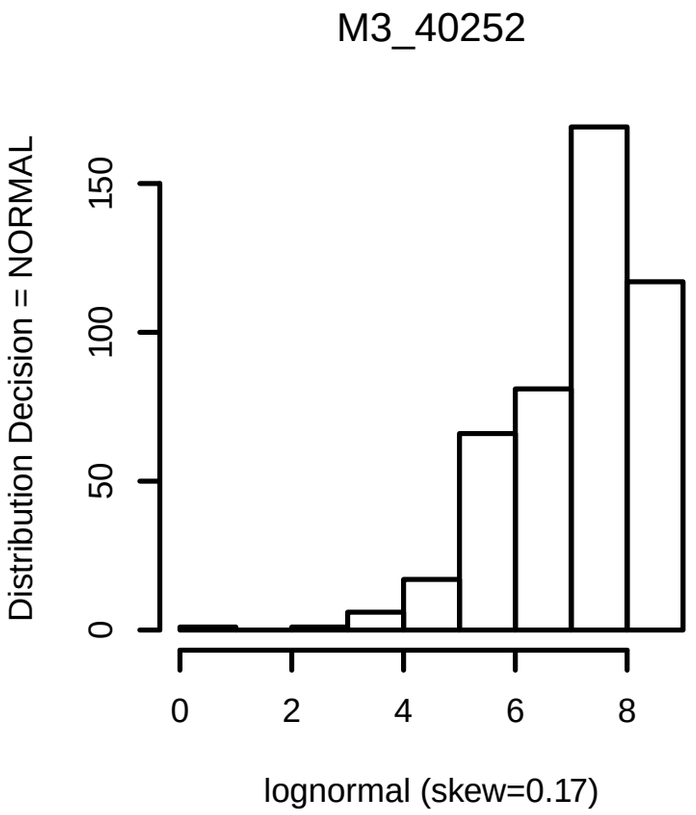

M3_65868
Distribution Decision = NORMAL
0
50
100
150
0
2000
6000
10000
normal (skew=0.47)

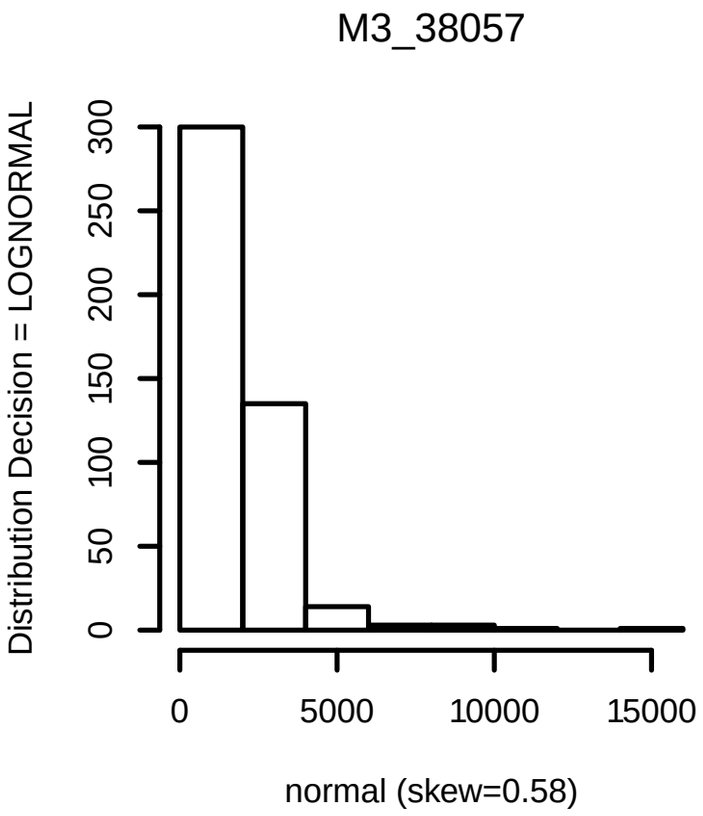

M3_65868
Distribution Decision = NORMAL
0
50
100
150
200
250
300
2
4
6
8
10
lognormal (skew=1.7)

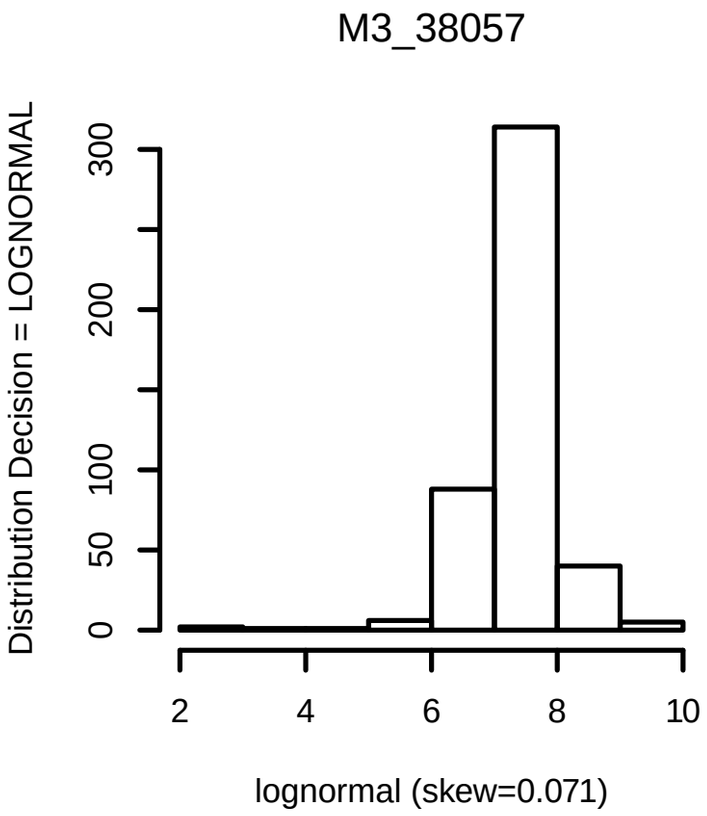

M3_55829
Distribution Decision = NORMAL
0
20
40
60
80
100
0
1000
3000
5000
normal (skew=0.19)

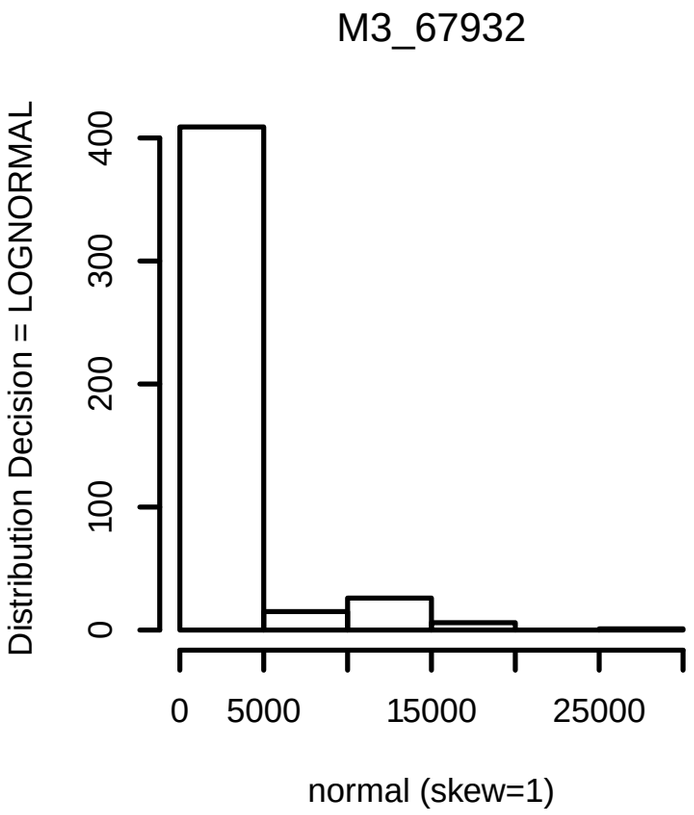

M3_55829
Distribution Decision = NORMAL
0
50
100
150
2
3
4
5
6
7
8
9
lognormal (skew=0.63)

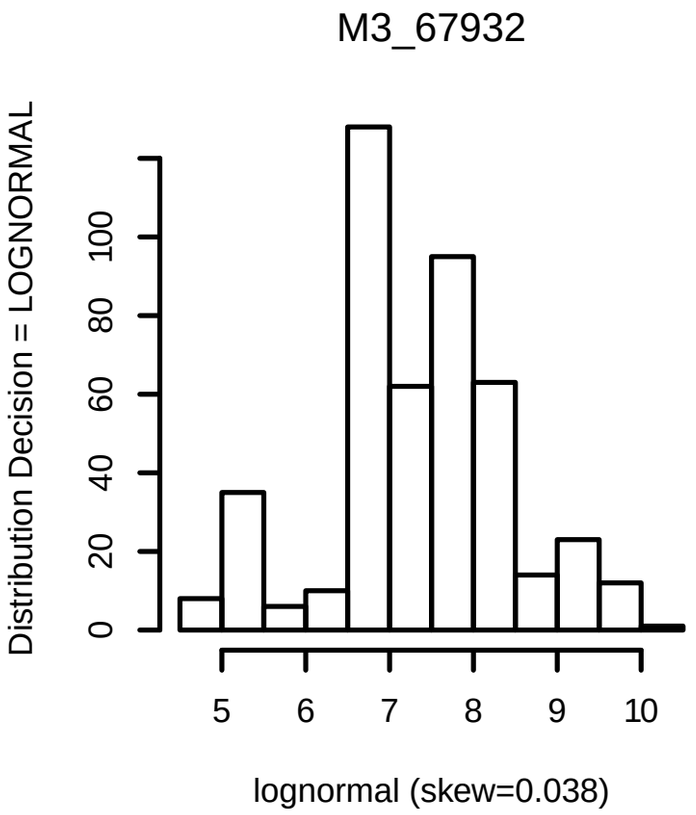

M3_40252
Distribution Decision = NORMAL
0
20
40
60
80
100
0
1000
3000
5000
normal (skew=0.045)

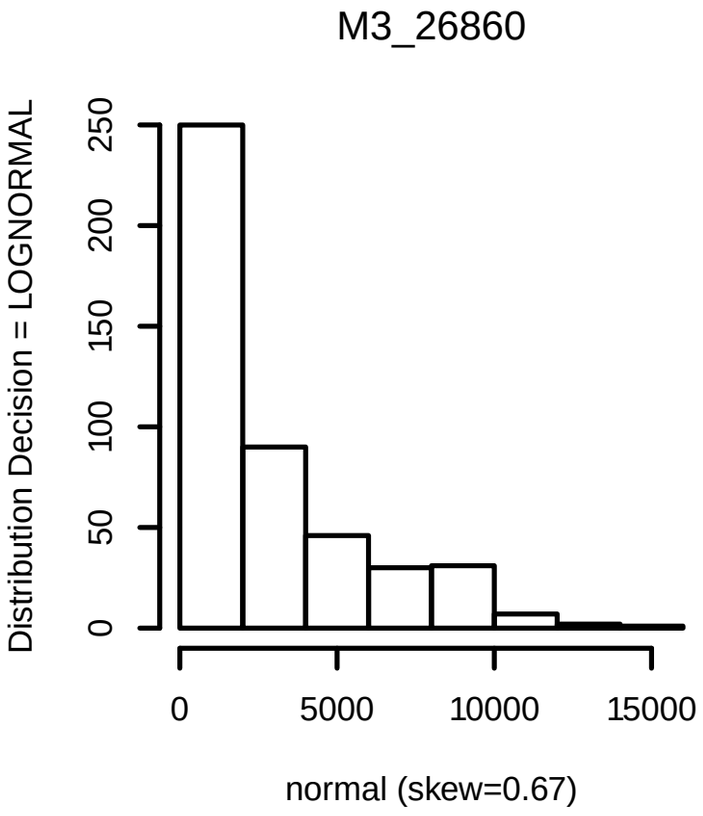

M3_40252
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.17)

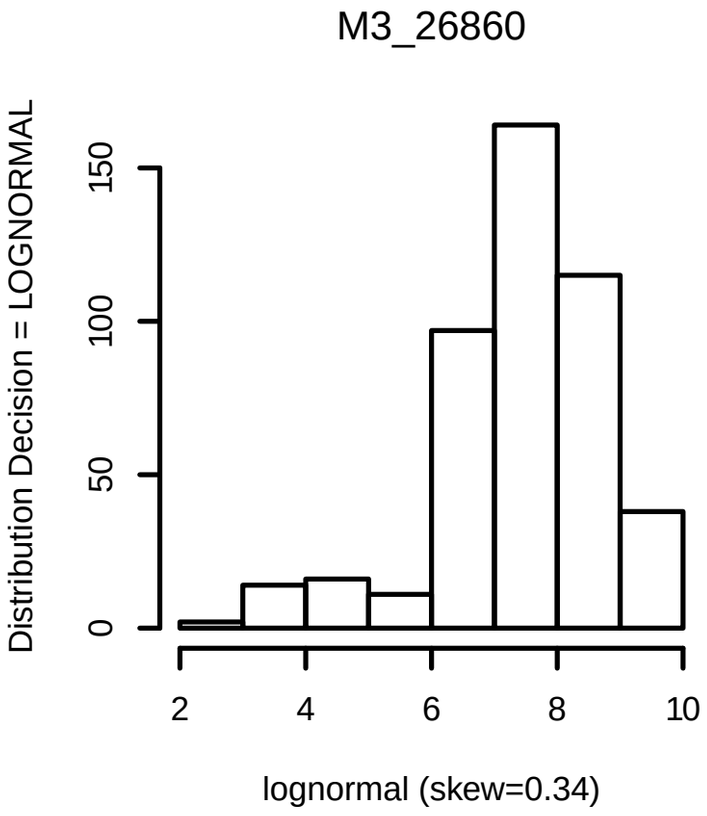

M3_38057
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
5000
10000
15000
normal (skew=0.58)

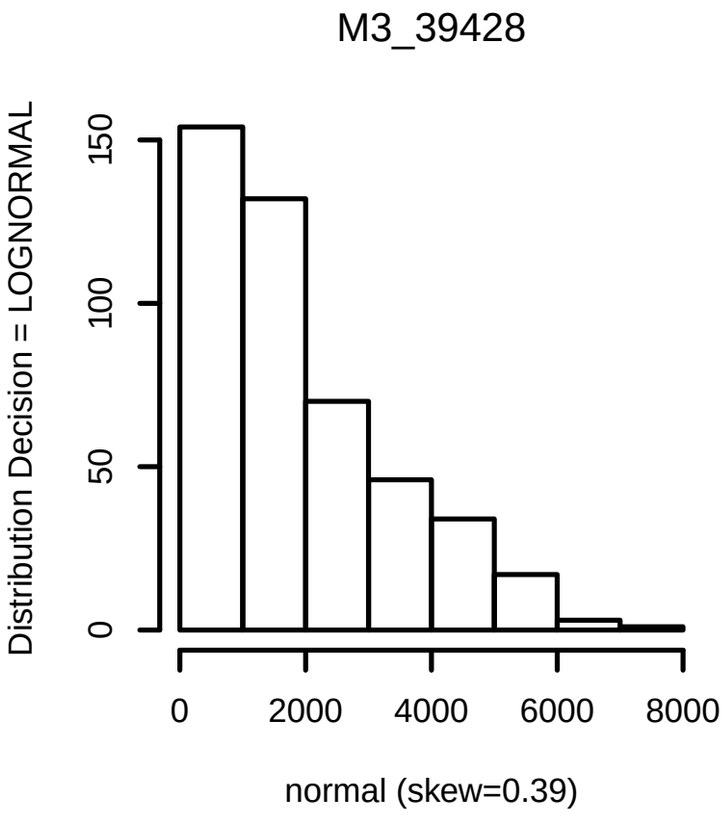

M3_38057
Distribution Decision = LOGNORMAL
0
50
100
200
300
2
4
6
8
10
lognormal (skew=0.071)

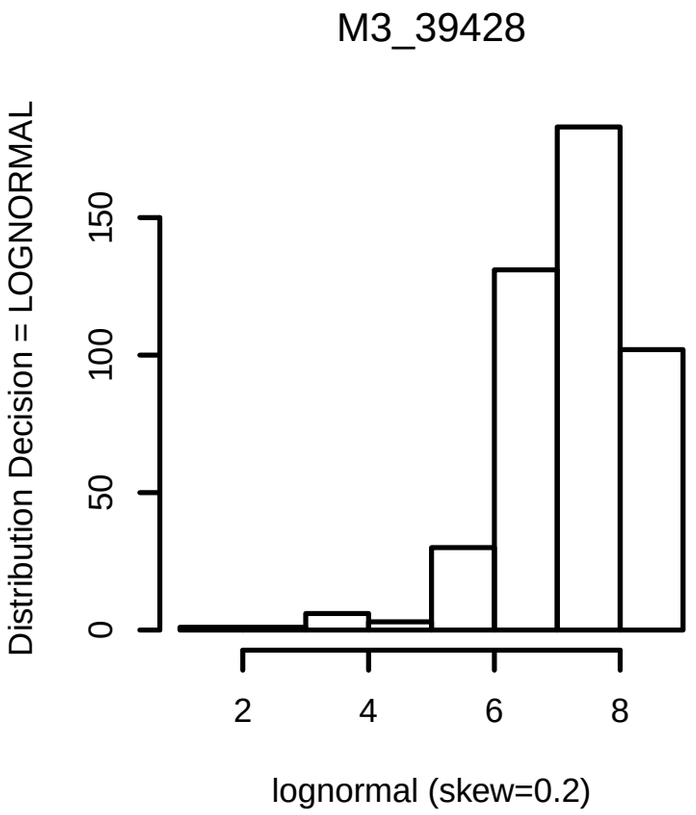

M3_67932
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
15000
25000
normal (skew=1)

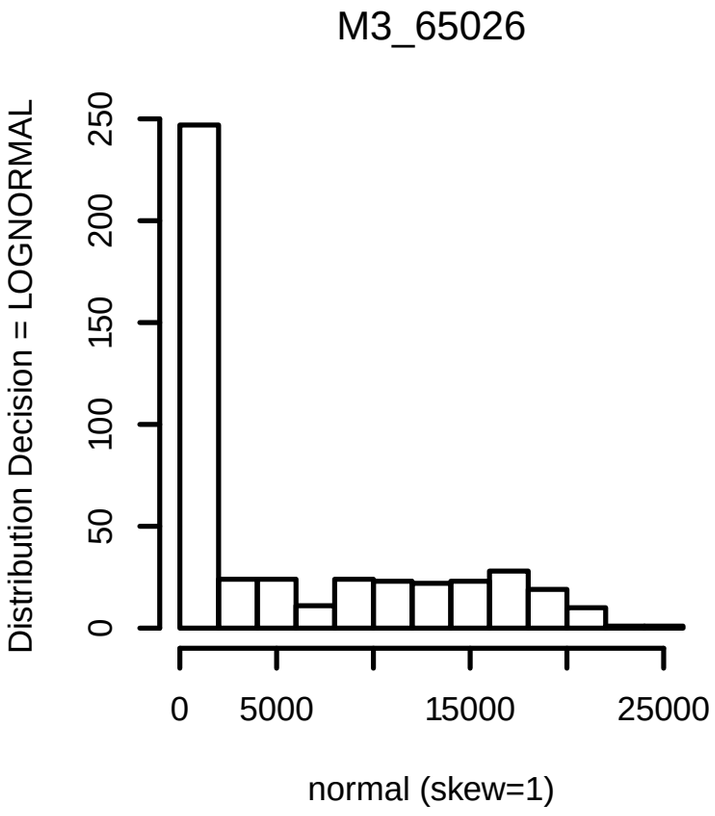

M3_67932
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
10
lognormal (skew=0.038)

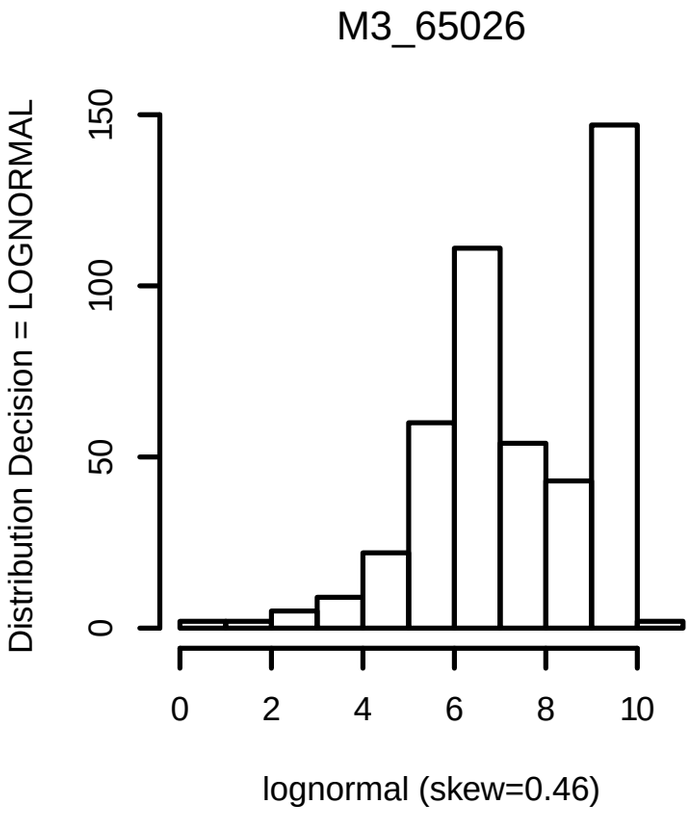

M3_26860
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
10000
15000
normal (skew=0.67)

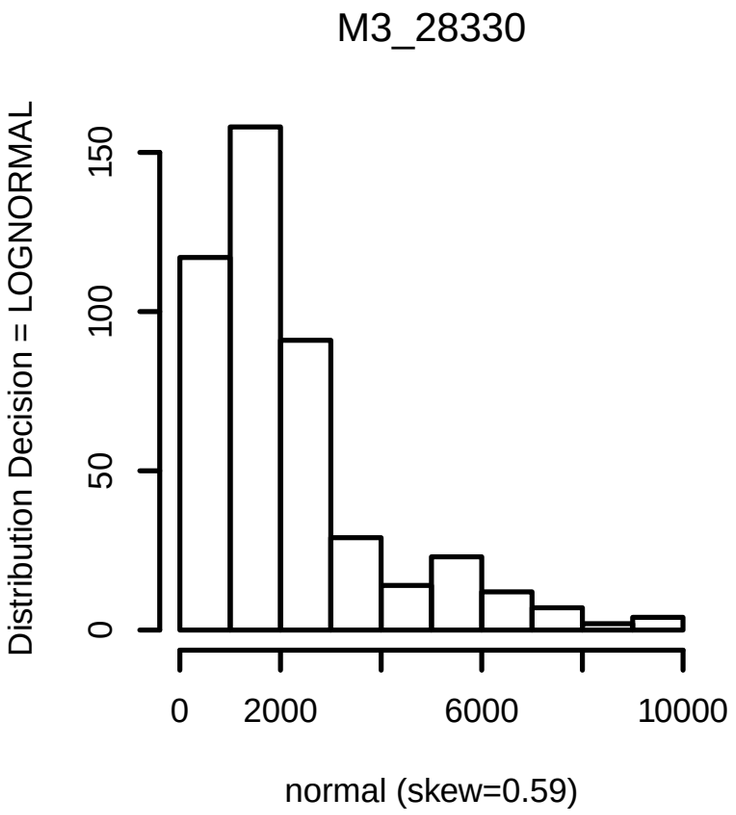

M3_26860
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.34)

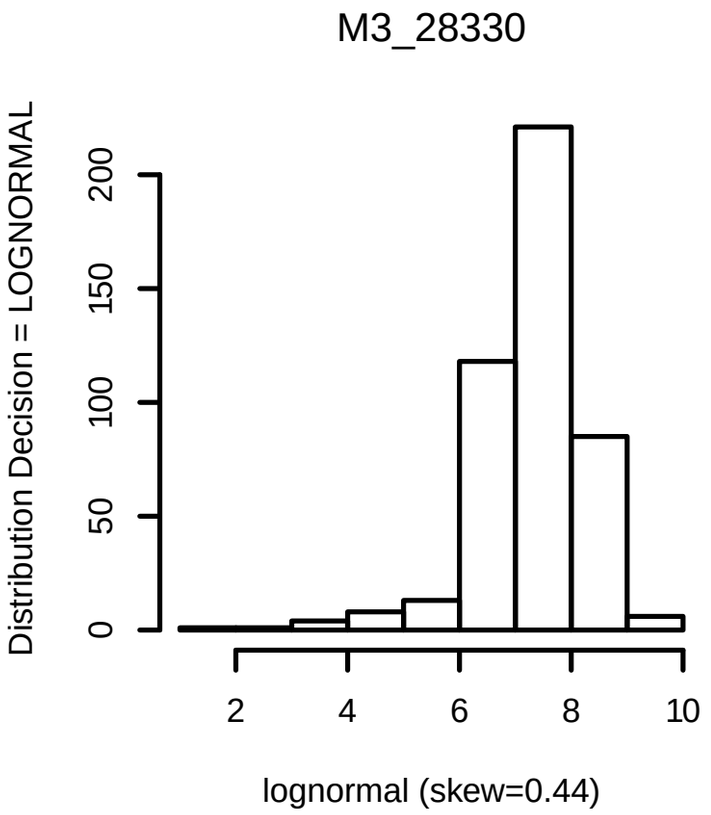

M3_39428
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
4000
6000
8000
normal (skew=0.39)

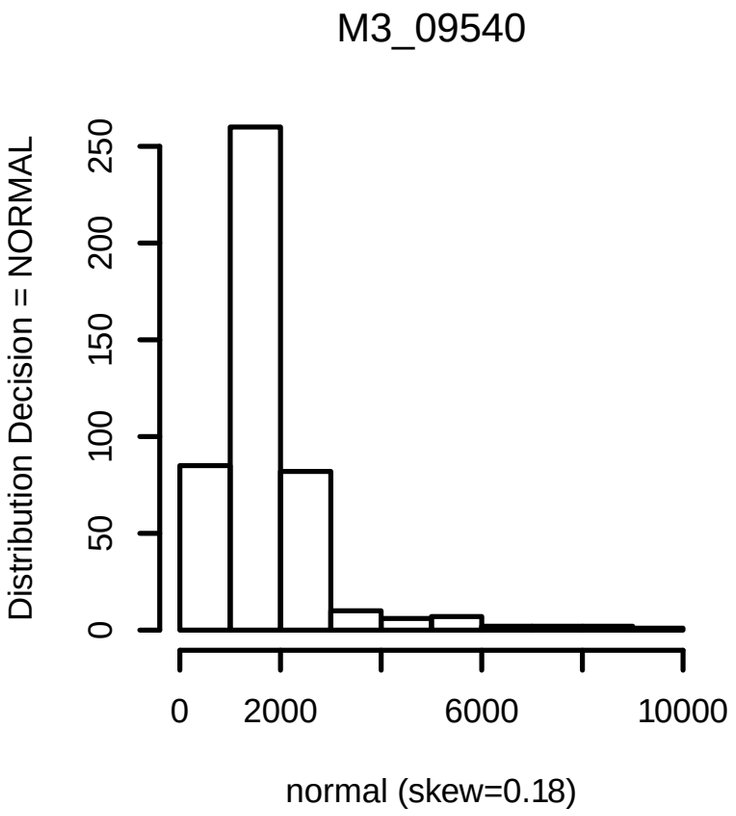

M3_39428
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
lognormal (skew=0.2)

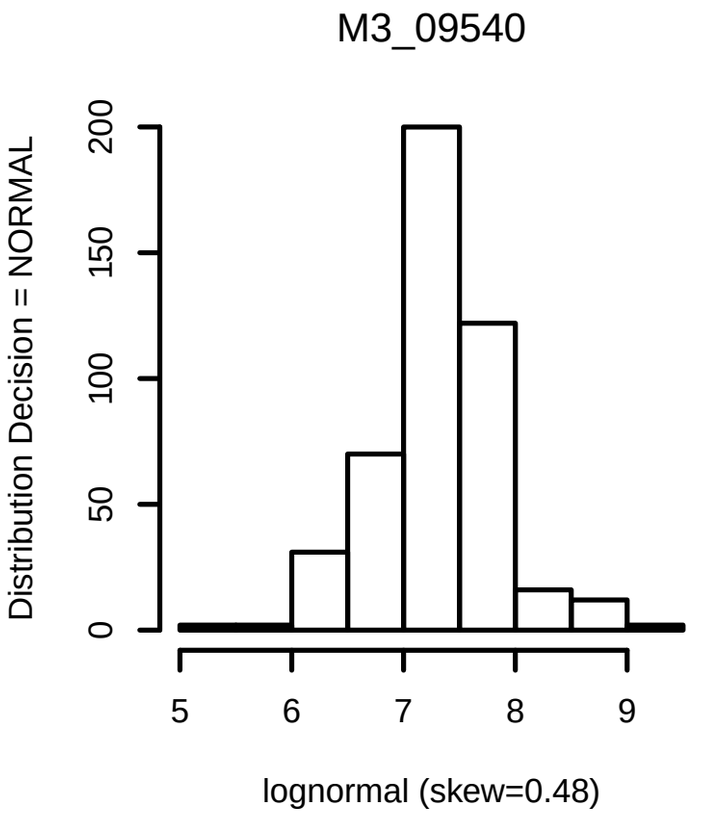

M3_65026
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
15000
25000
normal (skew=1)

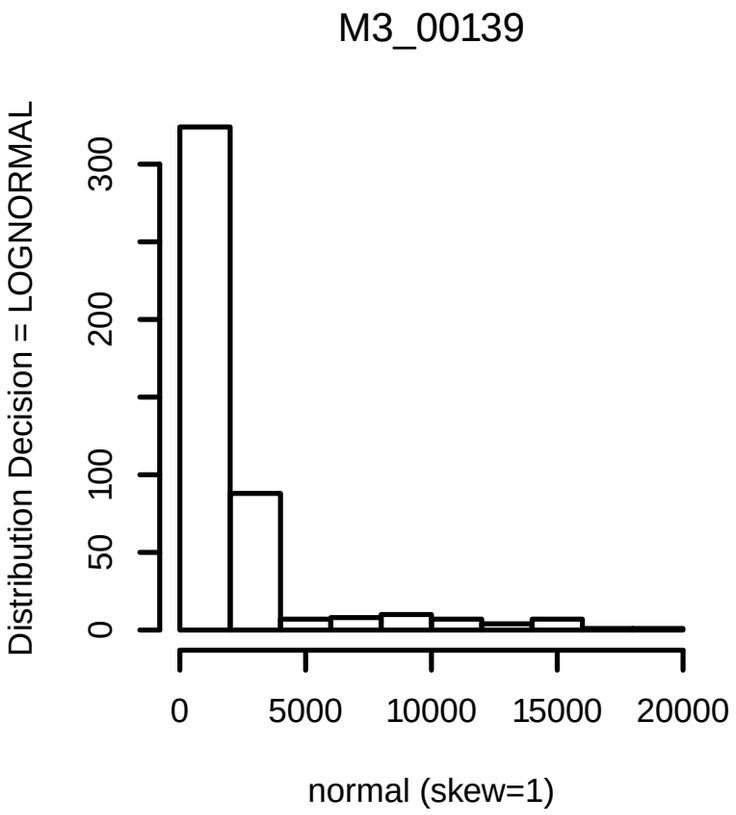

M3_65026
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.46)

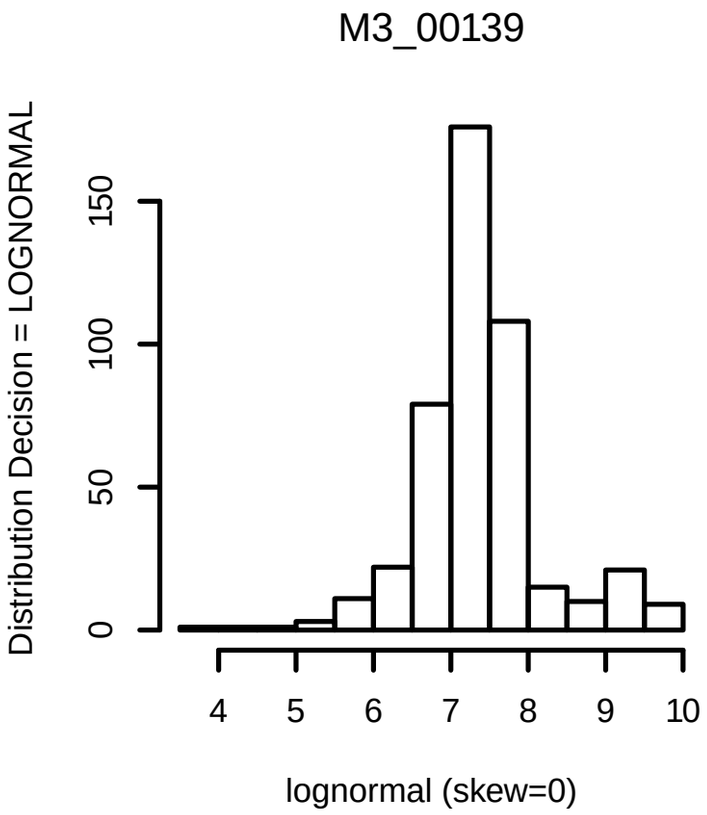

M3_28330
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
6000
10000
normal (skew=0.59)

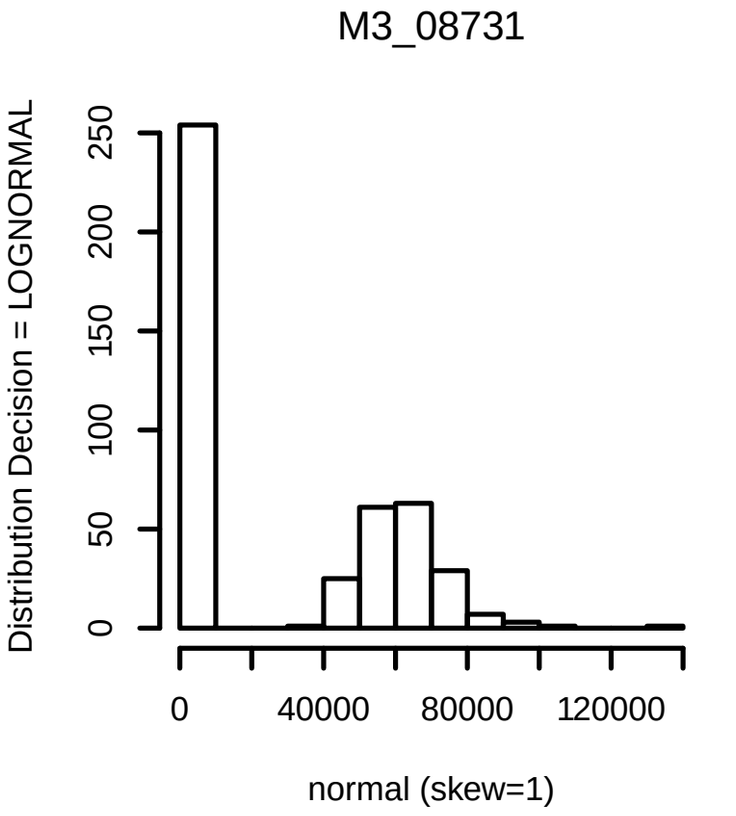

M3_28330
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.44)

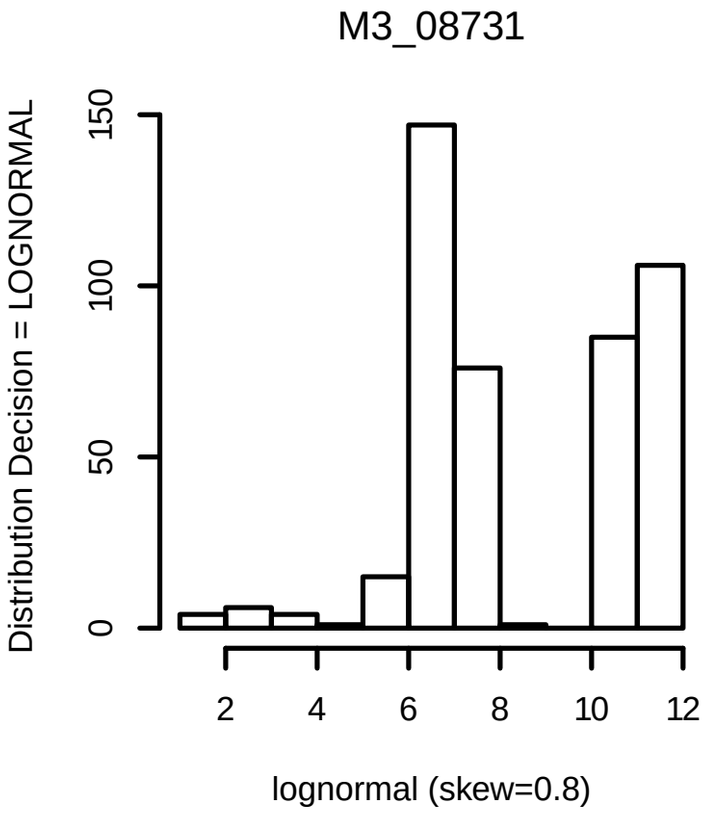

M3_09540
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2000
6000
10000
normal (skew=0.18)

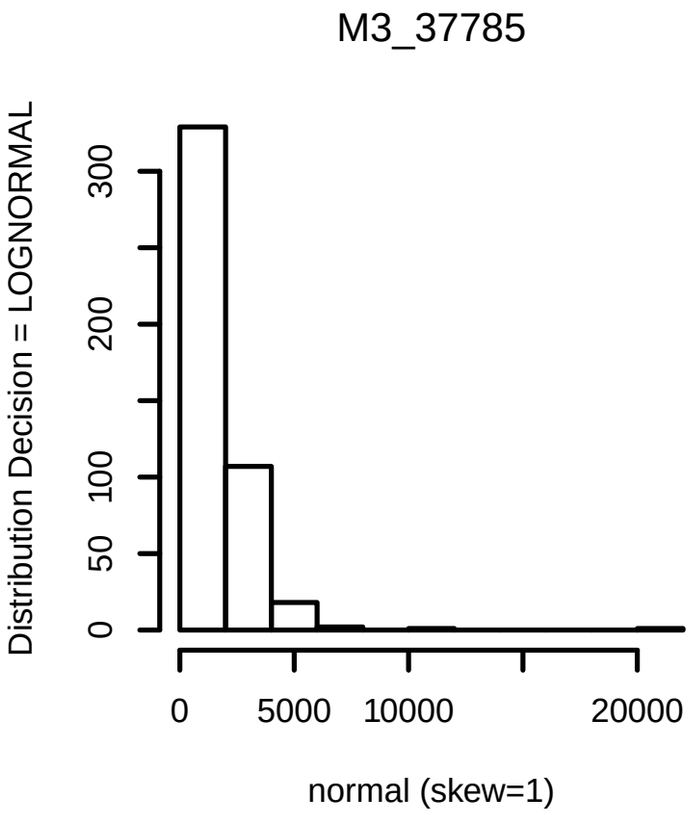

M3_09540
Distribution Decision = NORMAL
0
50
100
150
200
5
6
7
8
9
lognormal (skew=0.48)

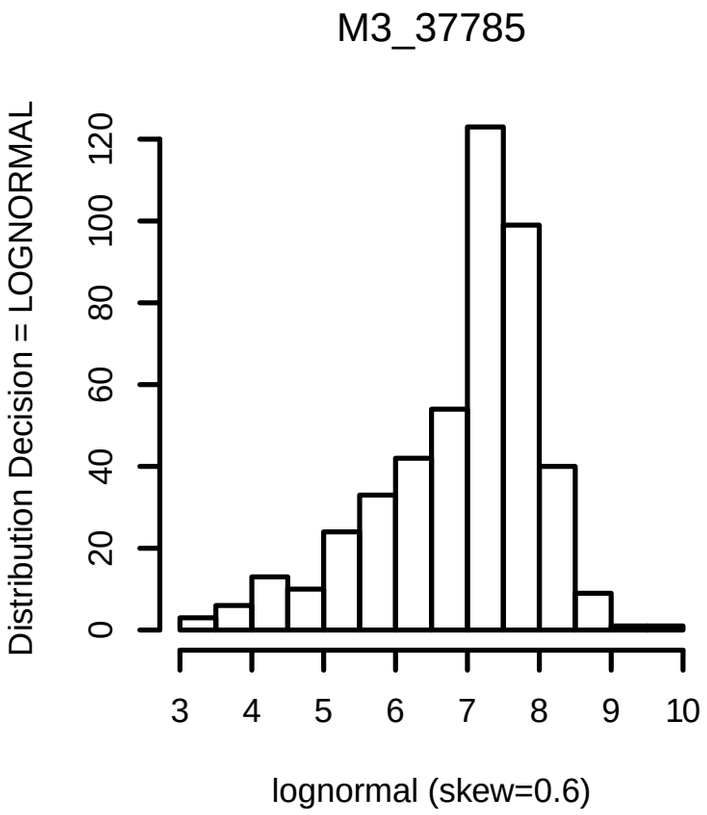

M3_00139
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
5000
10000
15000
20000
normal (skew=1)

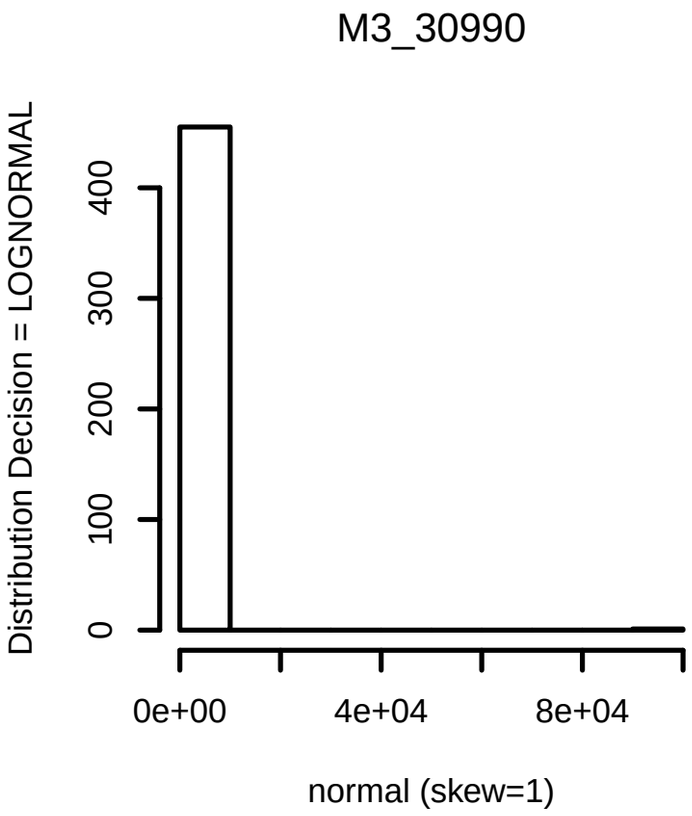

M3_00139
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
10
lognormal (skew=0)

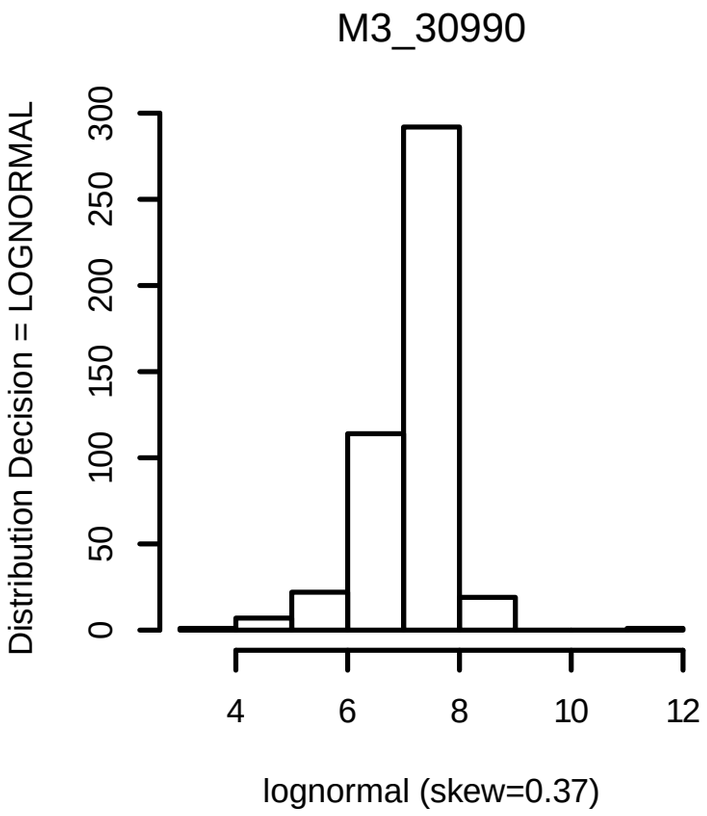

M3_08731
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
40000
80000
120000
normal (skew=1)

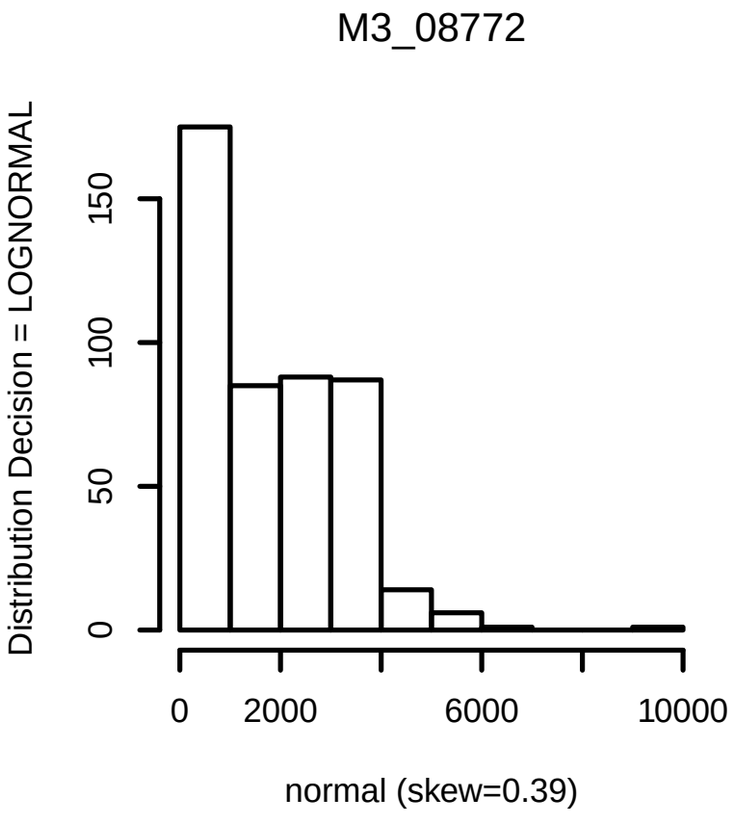

M3_08731
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
12
lognormal (skew=0.8)

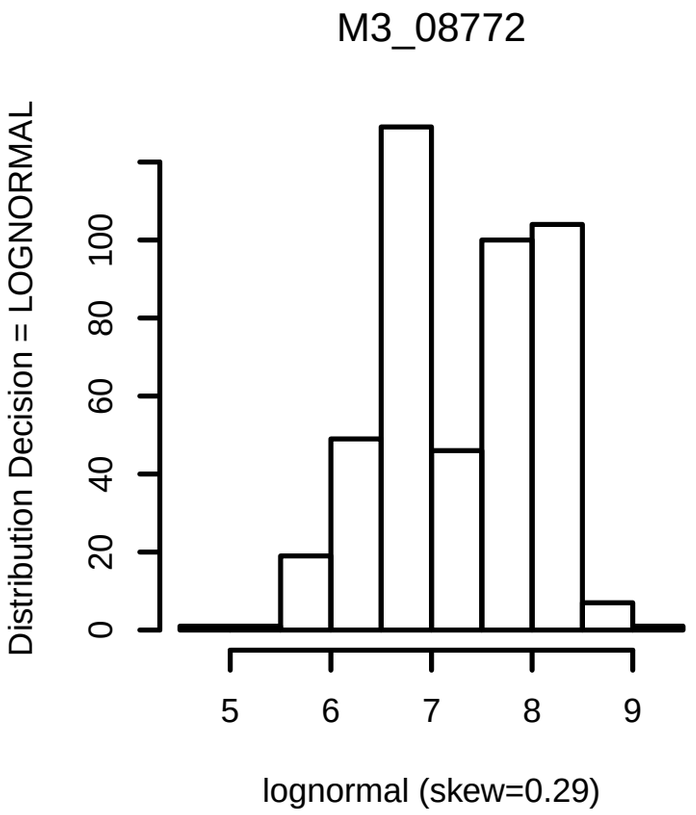

M3_37785
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
5000
10000
20000
normal (skew=1)

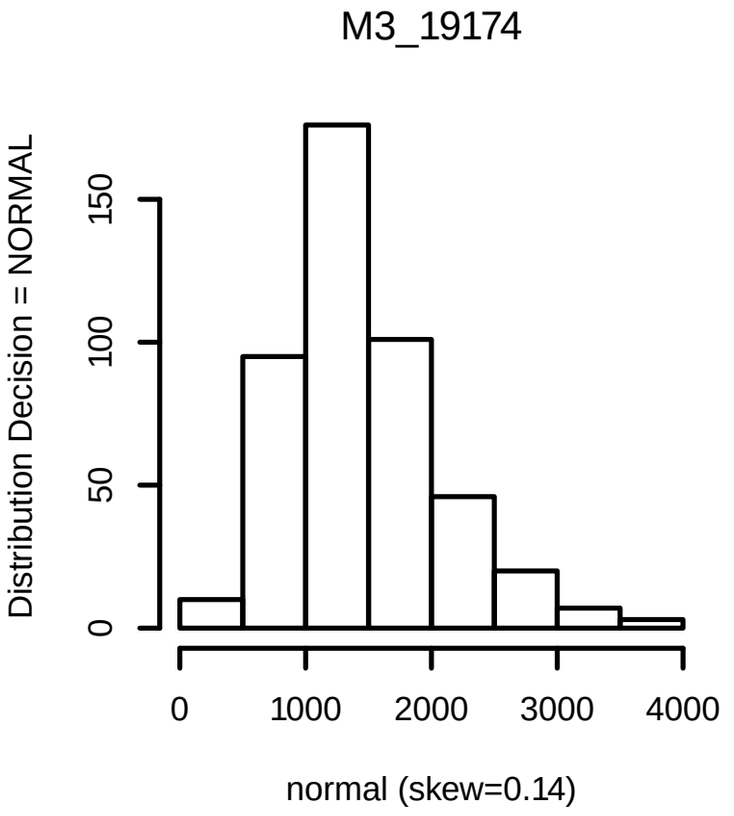

M3_37785
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
3
4
5
6
7
8
9
10
lognormal (skew=0.6)

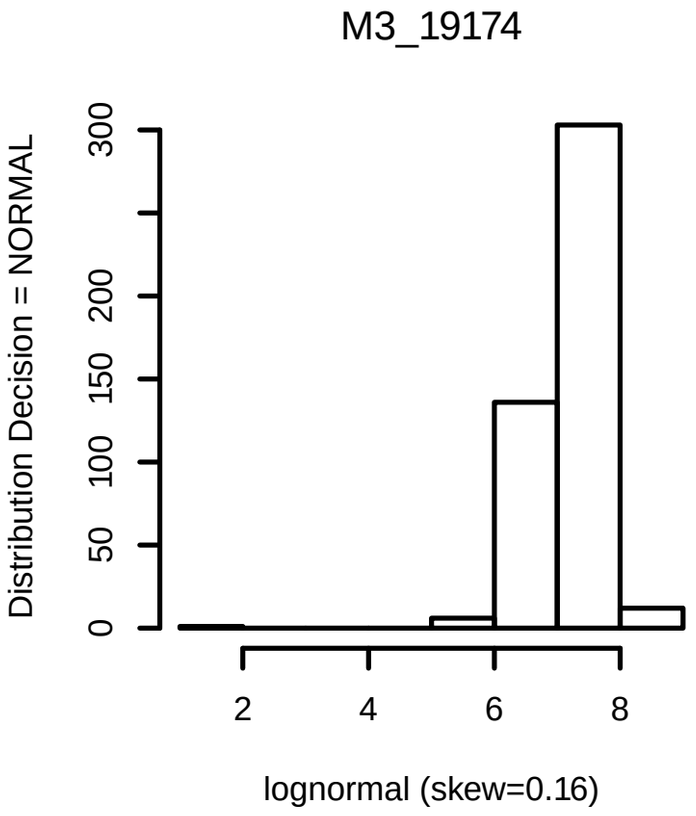

M3_30990
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
4e+04
8e+04
normal (skew=1)

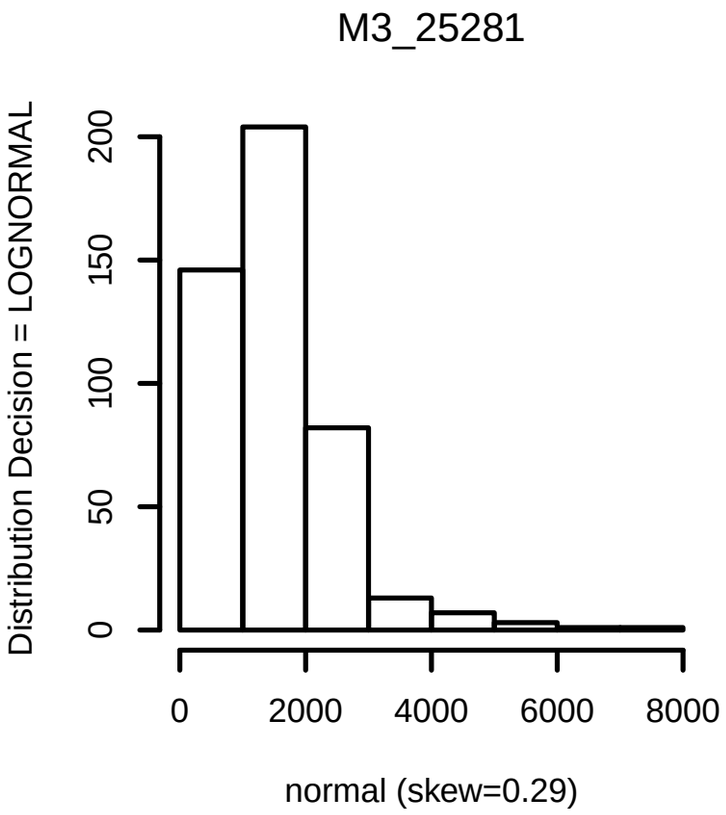

M3_30990
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
4
6
8
10
12
lognormal (skew=0.37)

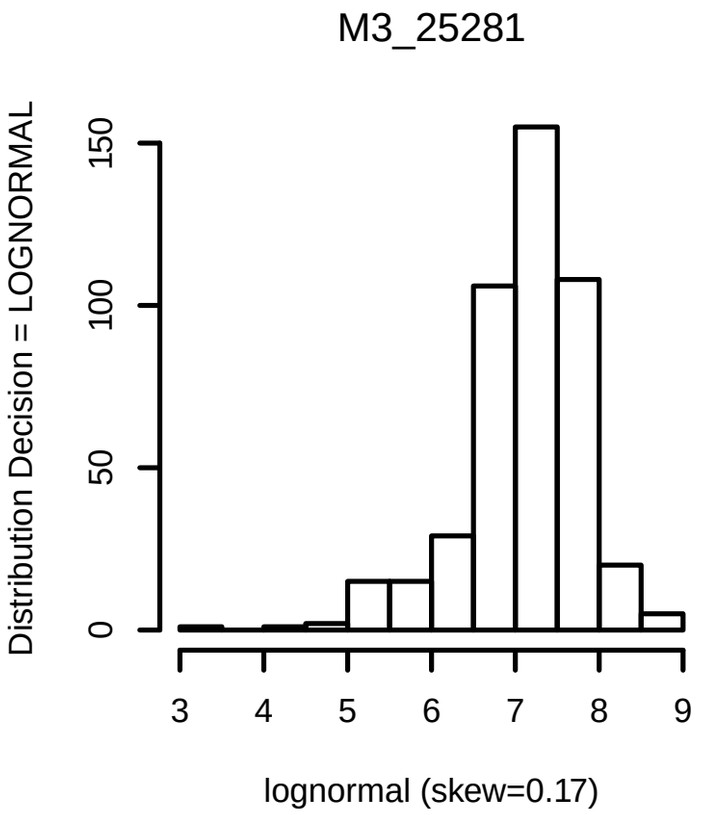

M3_08772
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
6000
10000
normal (skew=0.39)

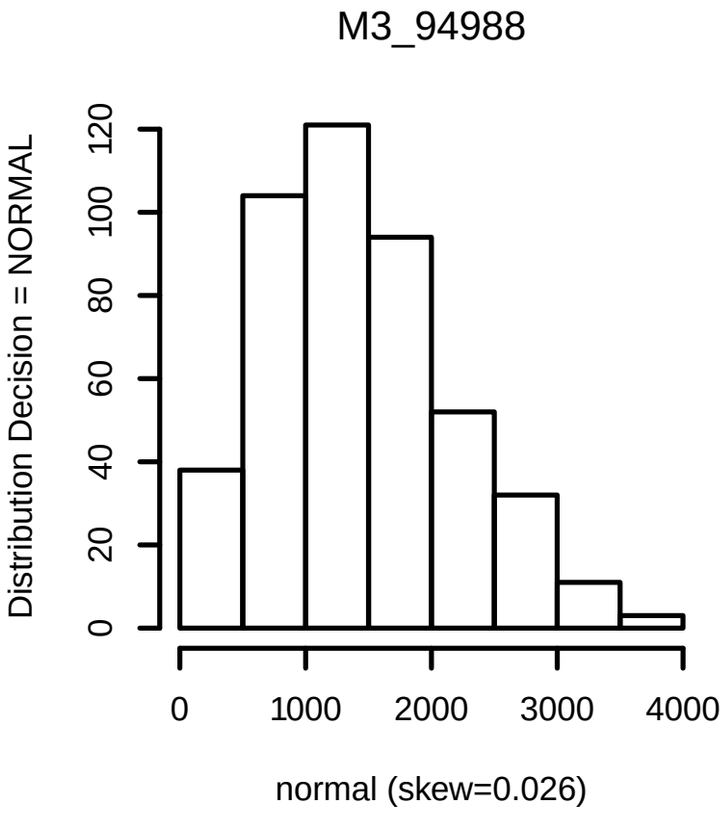

M3_08772
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
lognormal (skew=0.29)

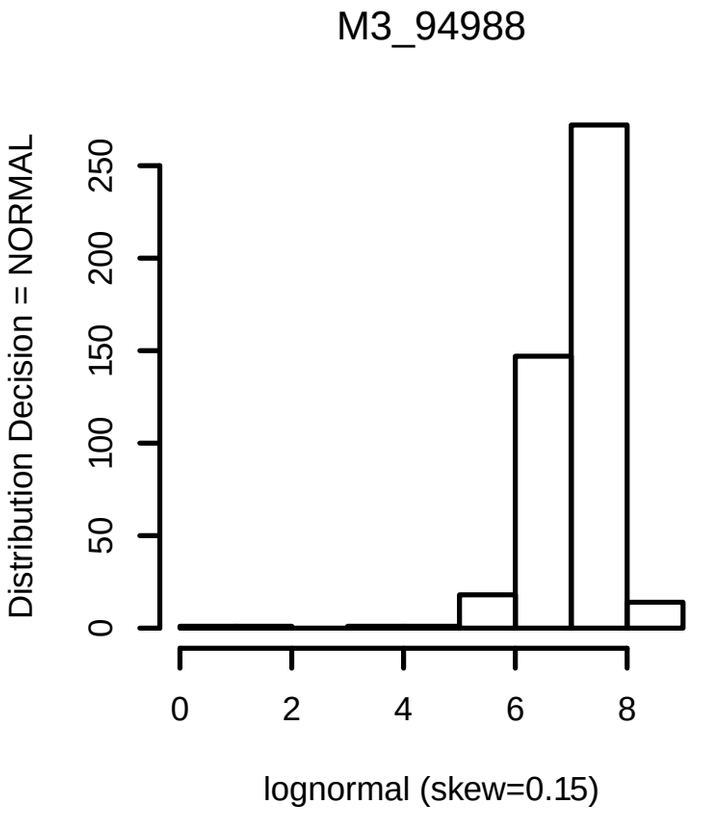

M3_19174
Distribution Decision = NORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.14)

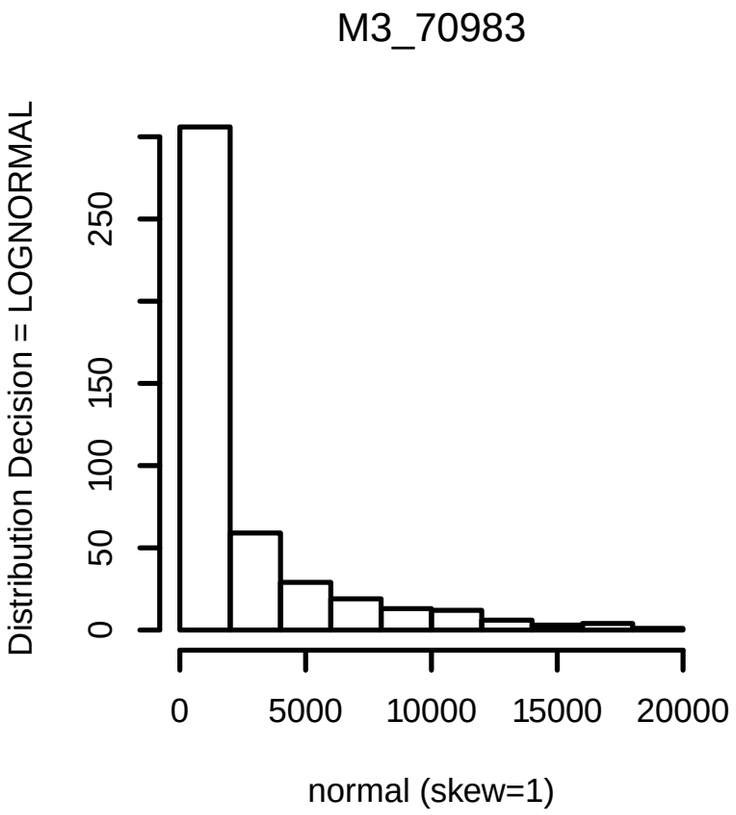

M3_19174
Distribution Decision = NORMAL
0
50
100
150
200
300
2
4
6
8
lognormal (skew=0.16)

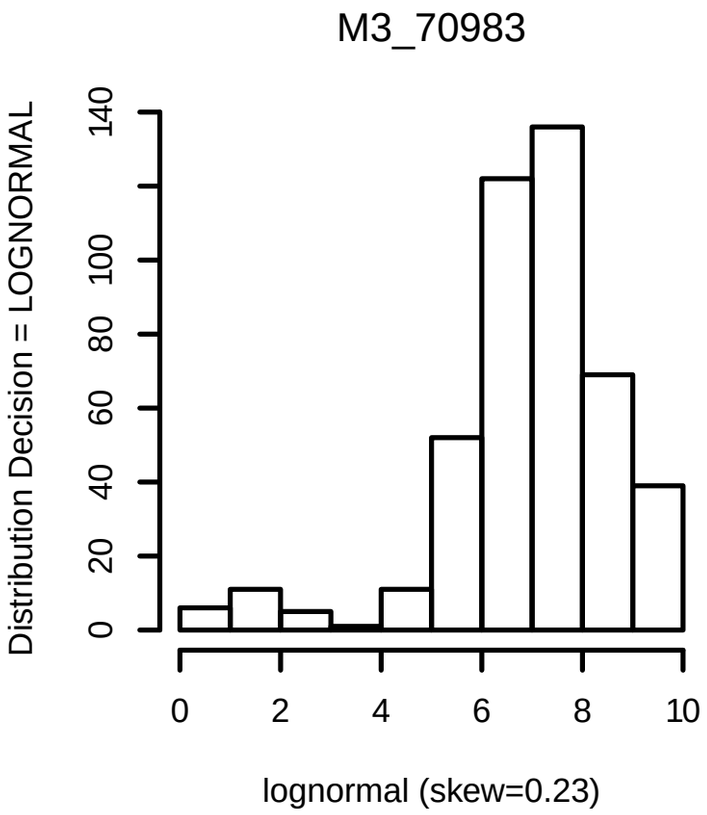

M3_25281
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2000
4000
6000
8000
normal (skew=0.29)

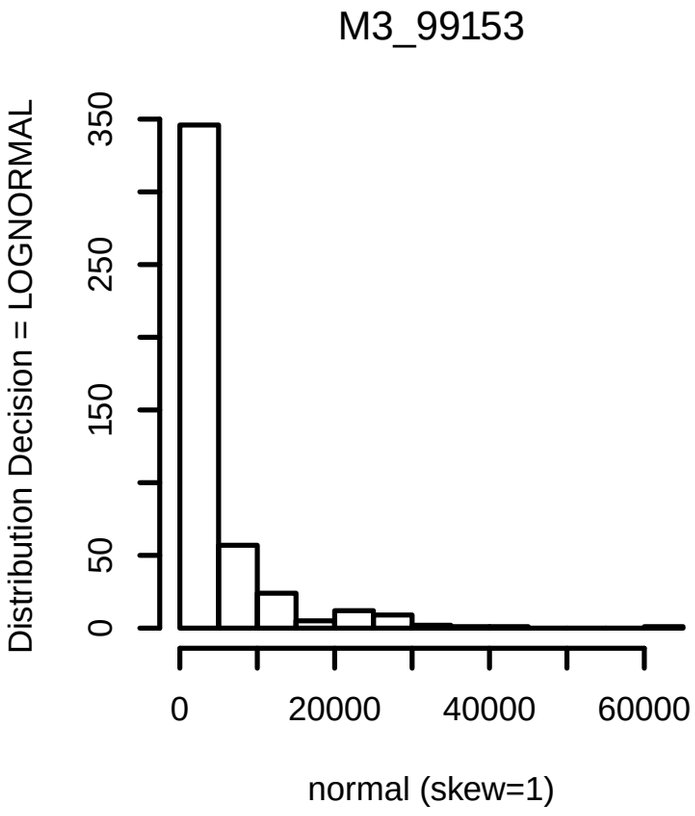

M3_25281
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
9
lognormal (skew=0.17)

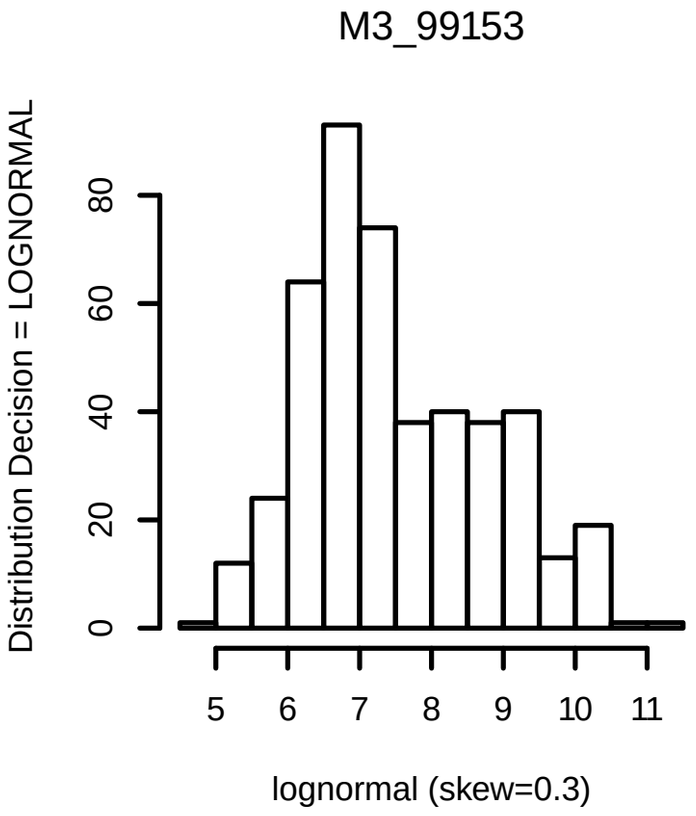

M3_94988
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
1000
2000
3000
4000
normal (skew=0.026)

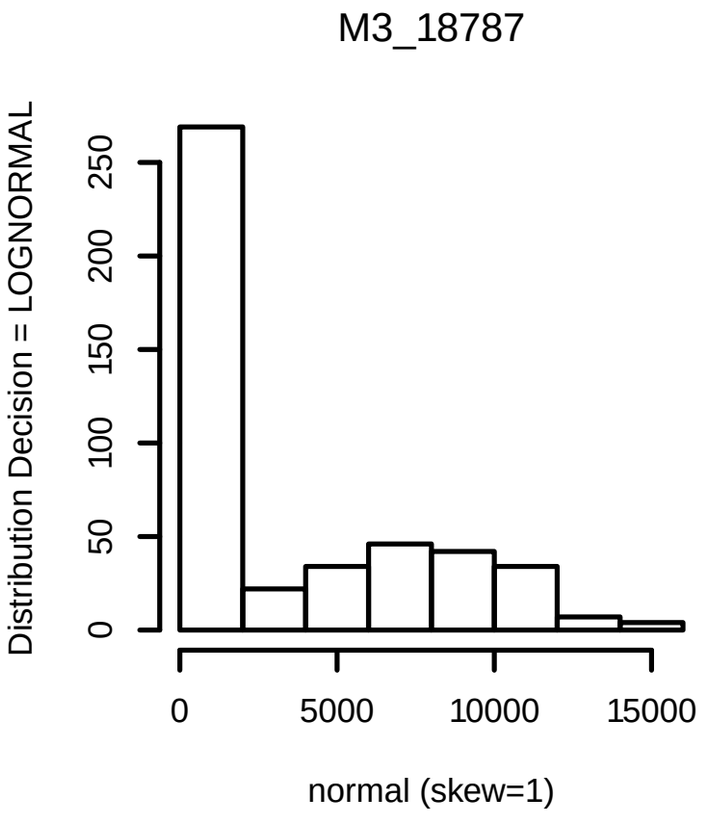

M3_94988
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.15)

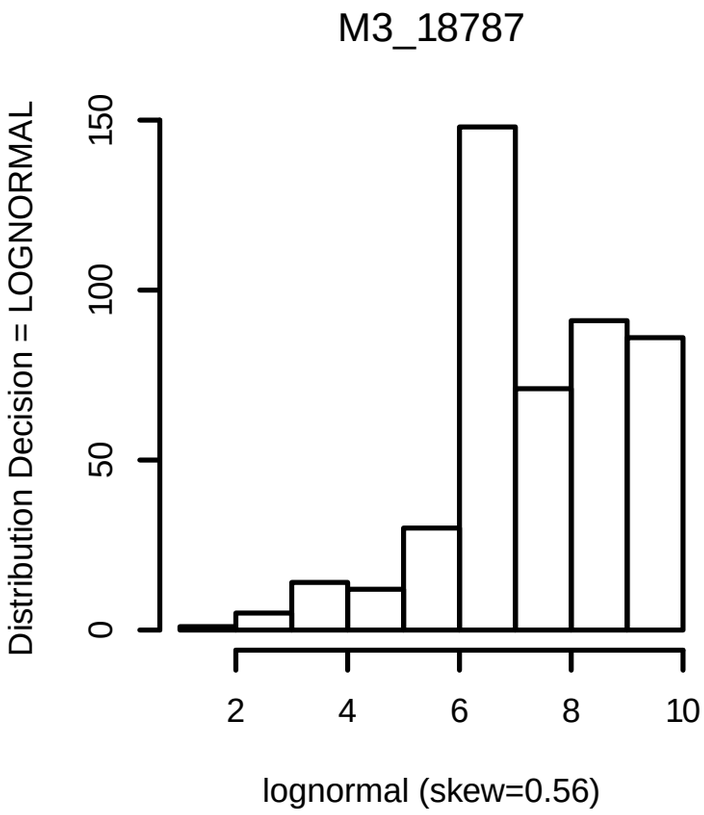

M3_70983
Distribution Decision = LOGNORMAL
0
50
100
150
250
0
5000
10000
15000
20000
normal (skew=1)

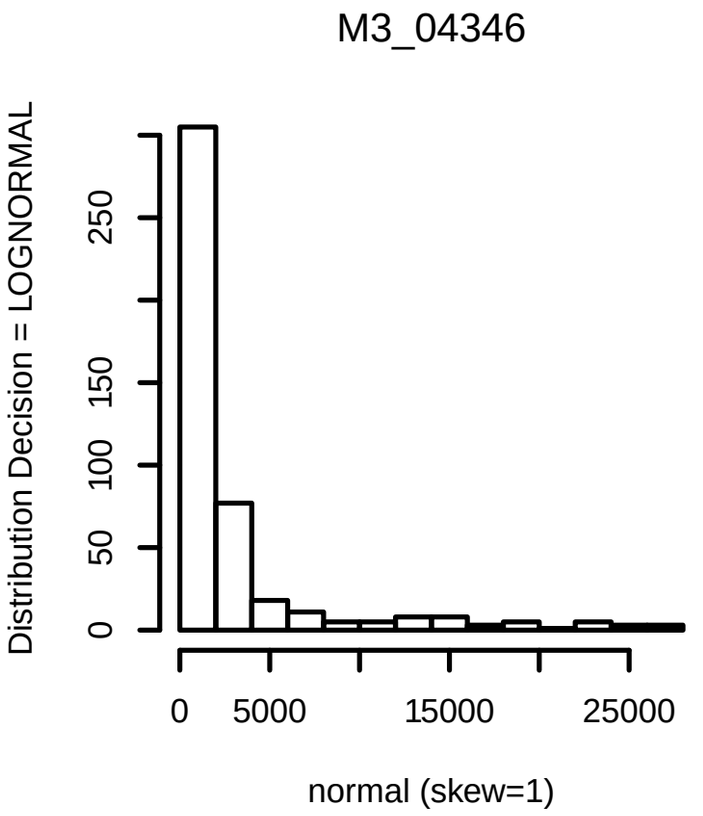

M3_70983
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
0
2
4
6
8
10
lognormal (skew=0.23)

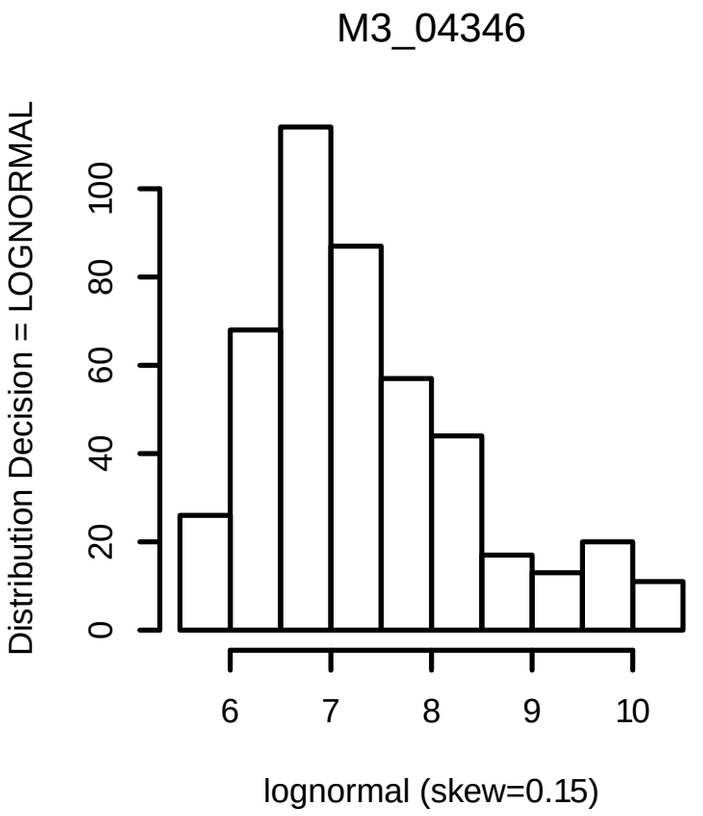

M3_99153
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
20000
40000
60000
normal (skew=1)

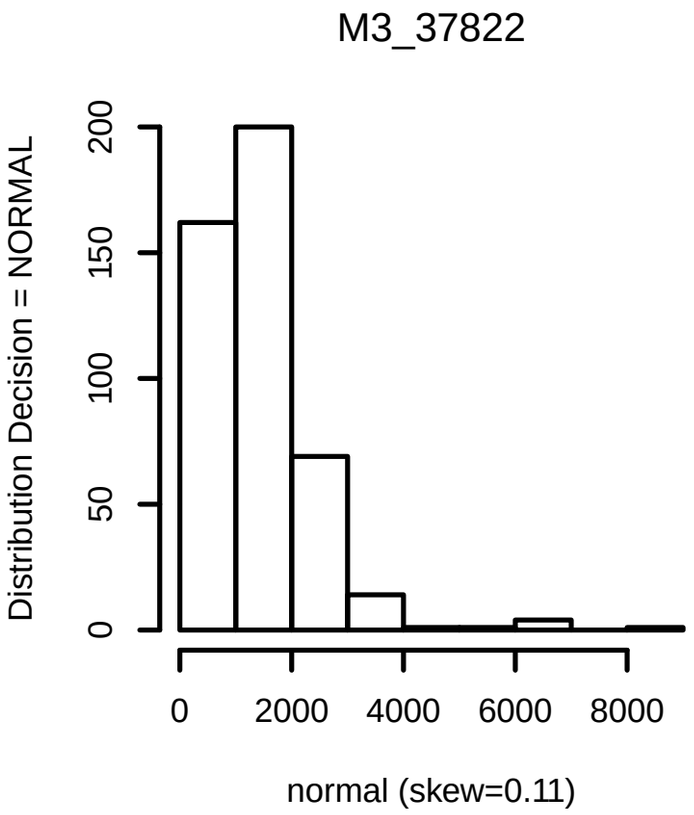

M3_99153
Distribution Decision = LOGNORMAL
0
20
40
60
80
5
6
7
8
9
10
11
lognormal (skew=0.3)

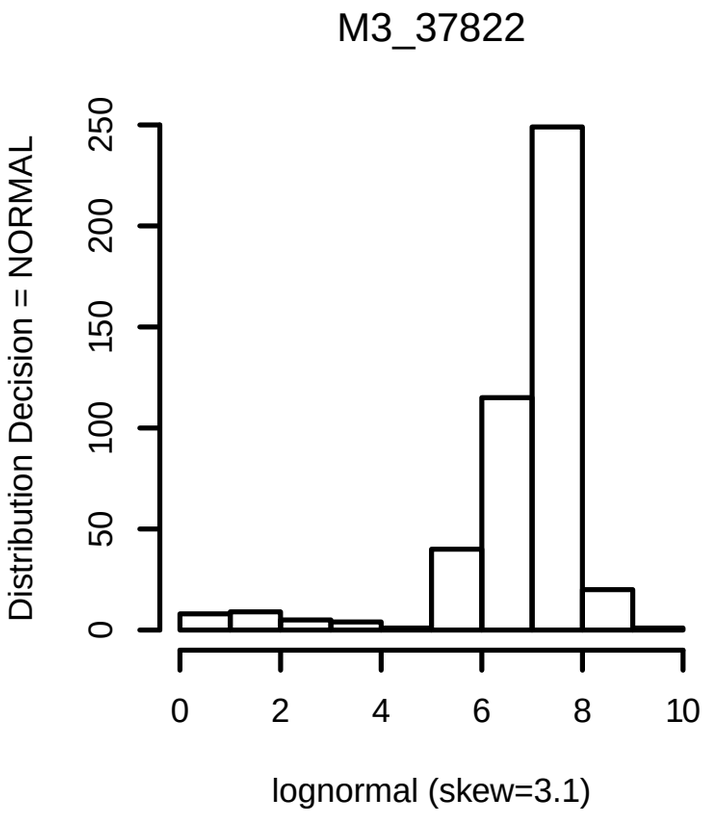

M3_18787
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
10000
15000
normal (skew=1)

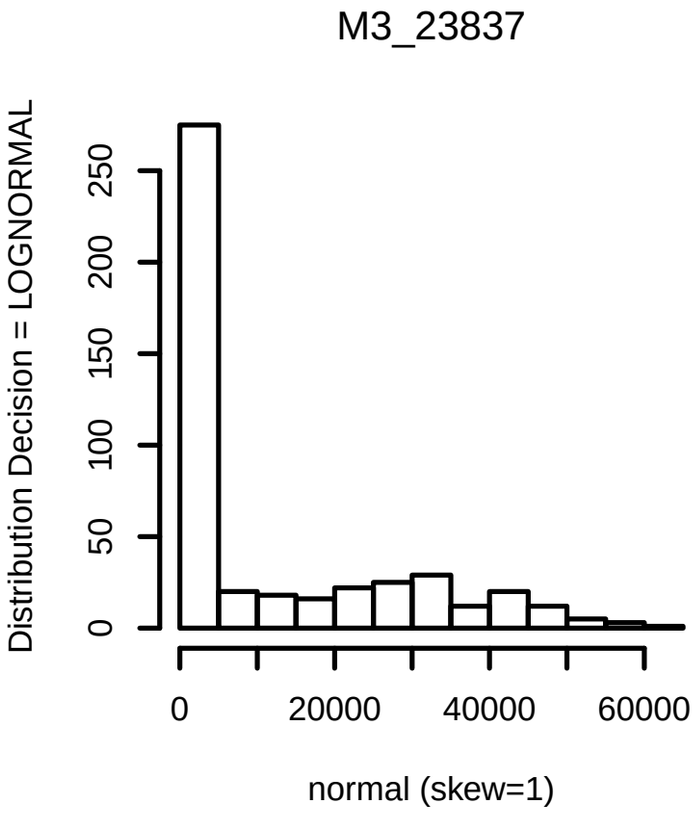

M3_18787
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.56)

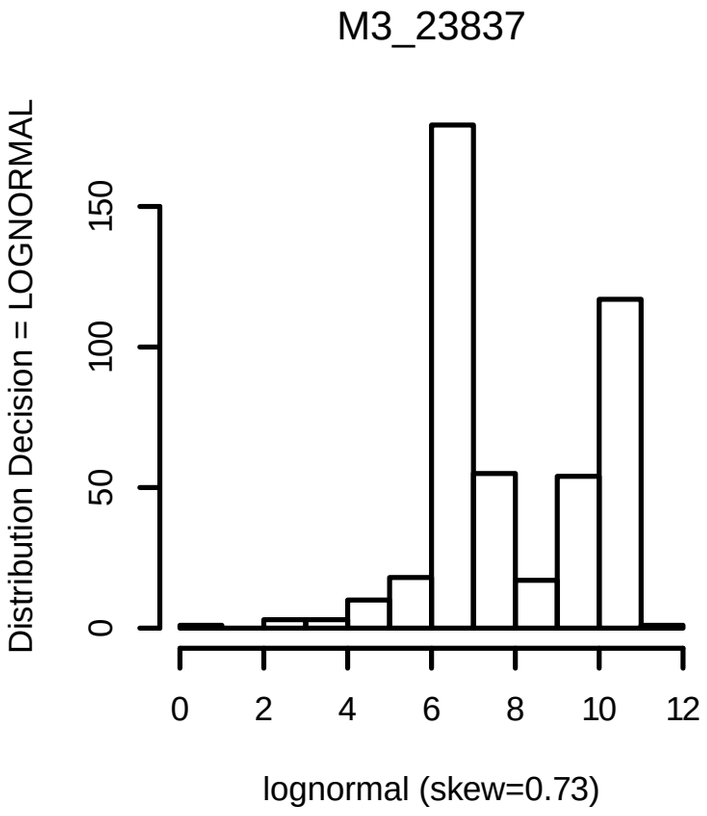

M3_04346
Distribution Decision = LOGNORMAL
0
50
100
150
250
0
5000
15000
25000
normal (skew=1)

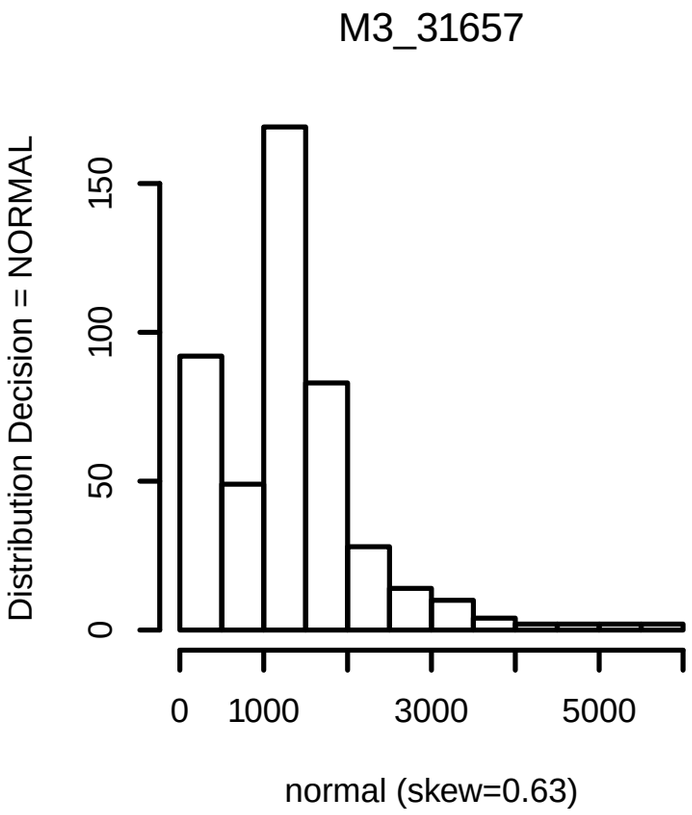

M3_04346
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
6
7
8
9
10
lognormal (skew=0.15)

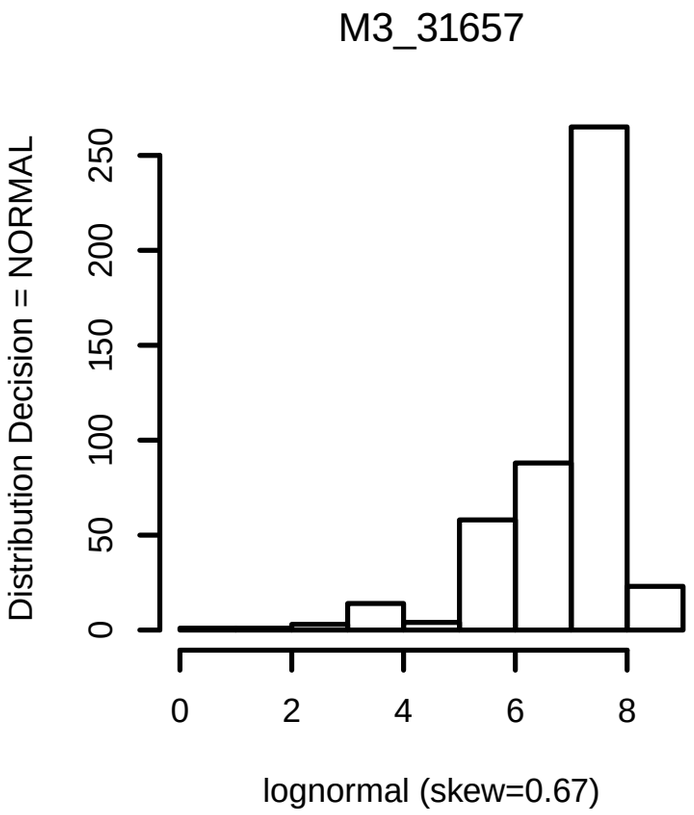

M3_37822
Distribution Decision = NORMAL
0
50
100
150
200
0
2000
4000
6000
8000
normal (skew=0.11)

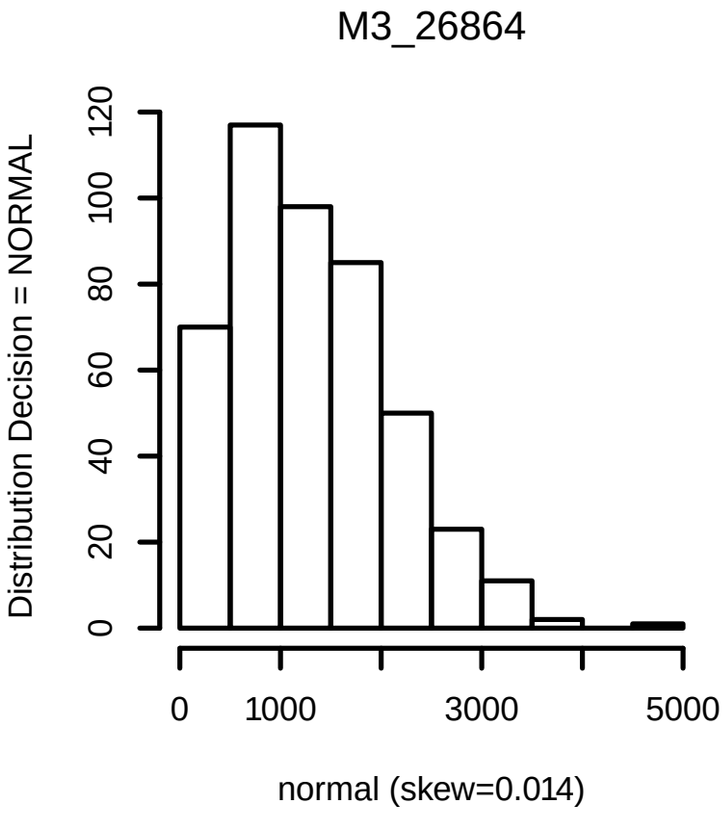

M3_37822
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
10
lognormal (skew=3.1)

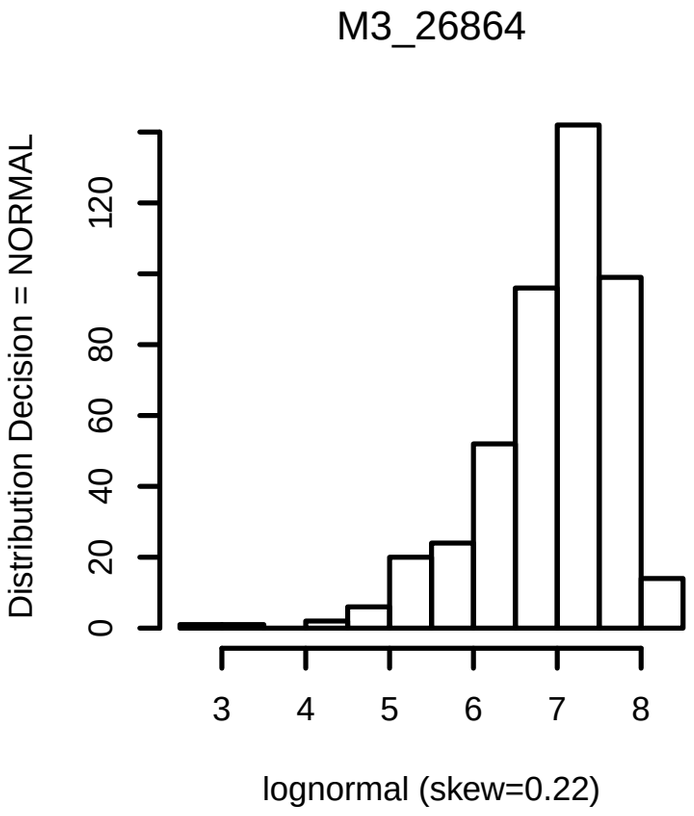

M3_23837
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
20000
40000
60000
normal (skew=1)

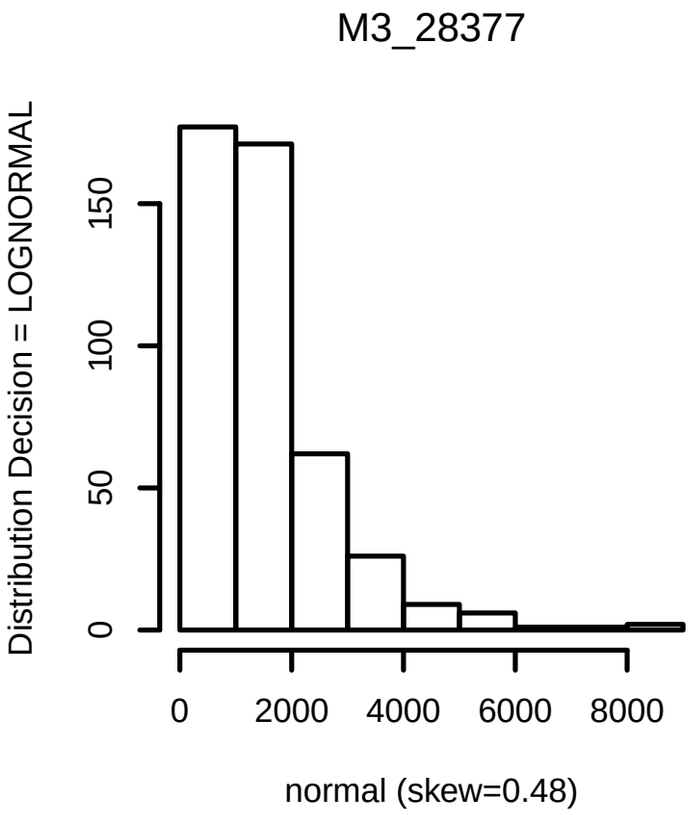

M3_23837
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
12
lognormal (skew=0.73)

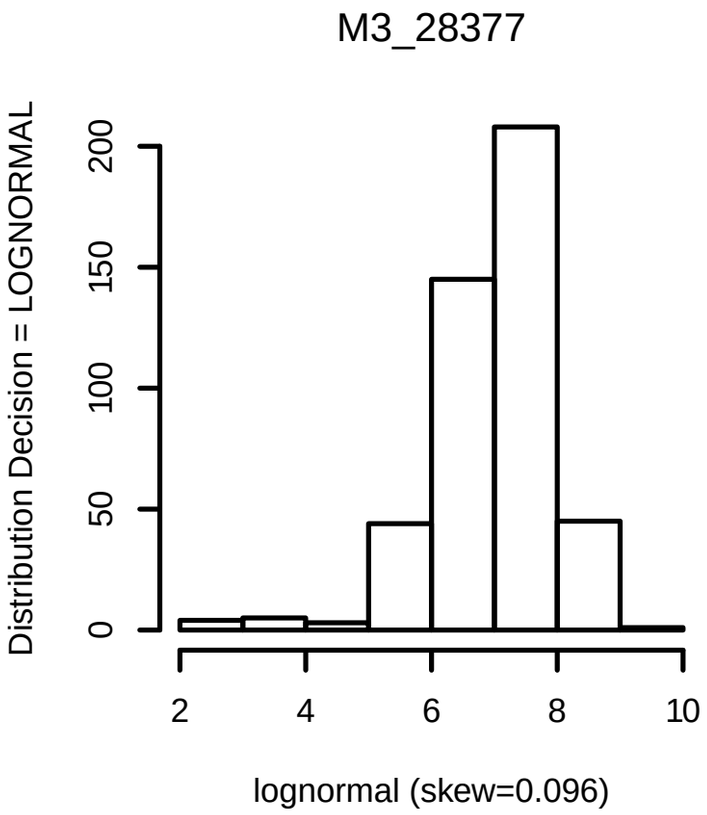

M3_31657
Distribution Decision = NORMAL
0
50
100
150
0
1000
3000
5000
normal (skew=0.63)

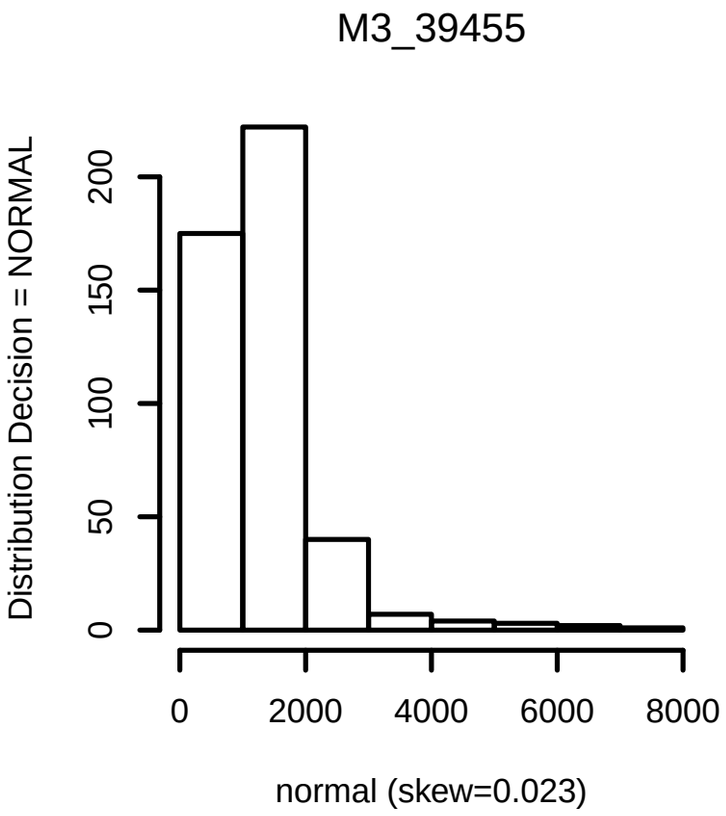

M3_31657
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.67)

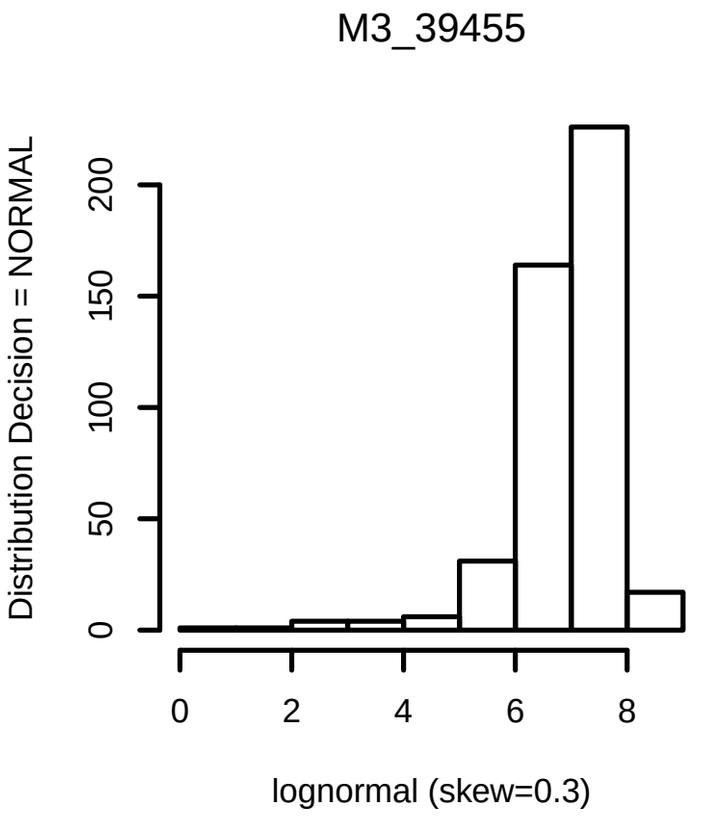

M3_26864
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
1000
3000
5000
normal (skew=0.014)

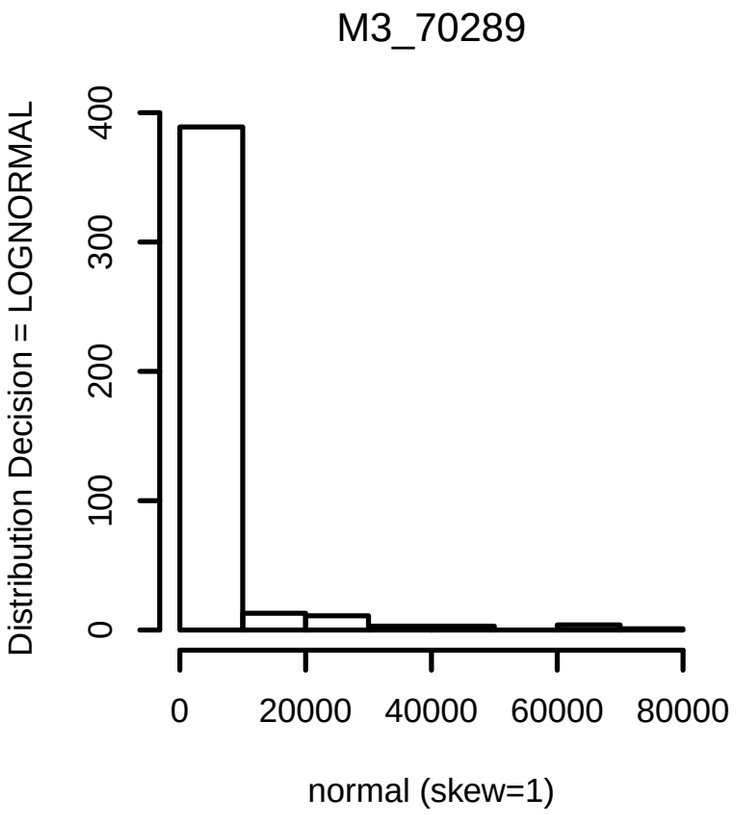

M3_26864
Distribution Decision = NORMAL
0
20
40
60
80
120
3
4
5
6
7
8
lognormal (skew=0.22)

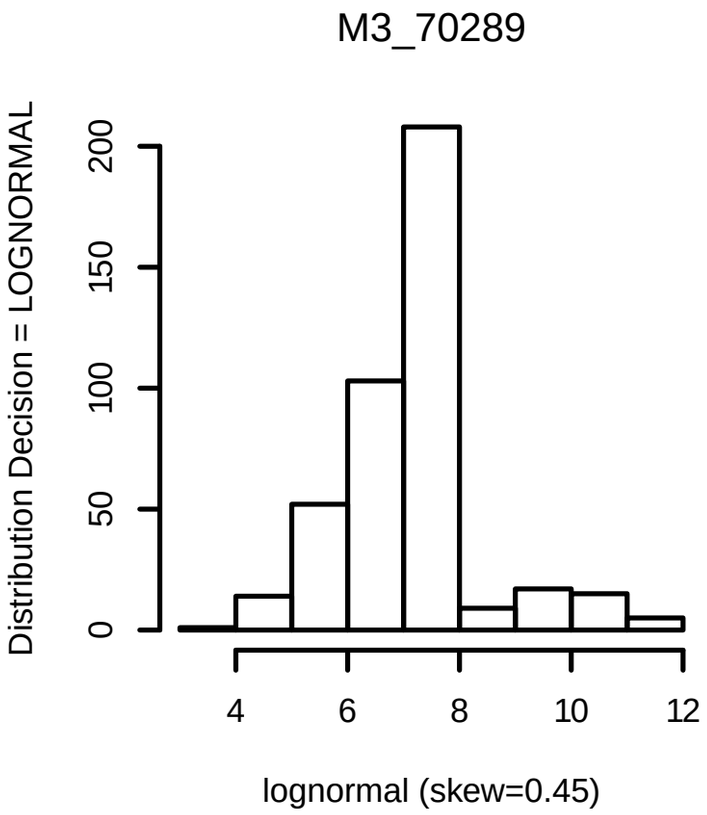

M3_28377
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
4000
6000
8000
normal (skew=0.48)

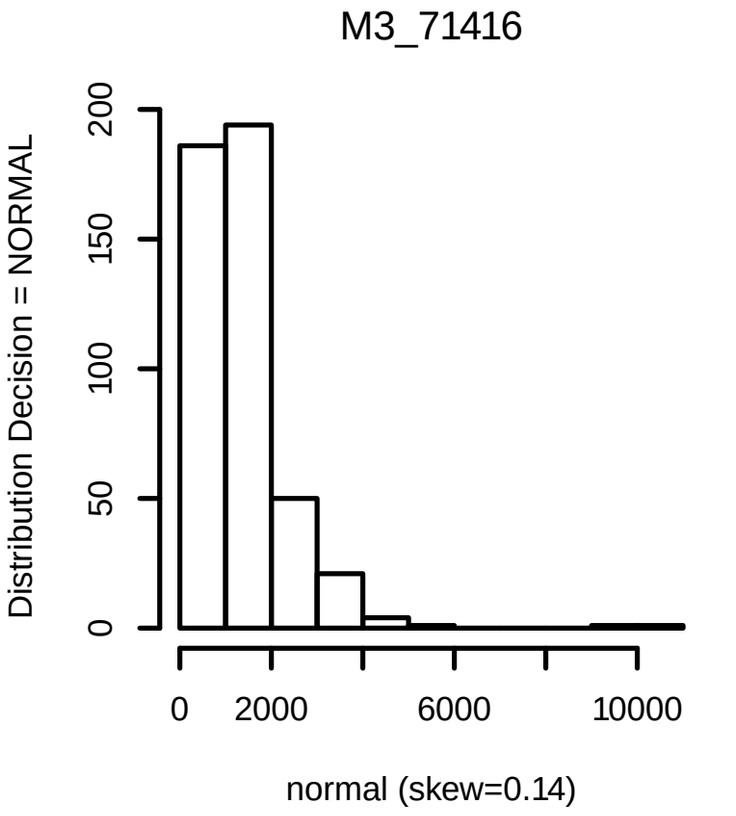

M3_28377
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.096)

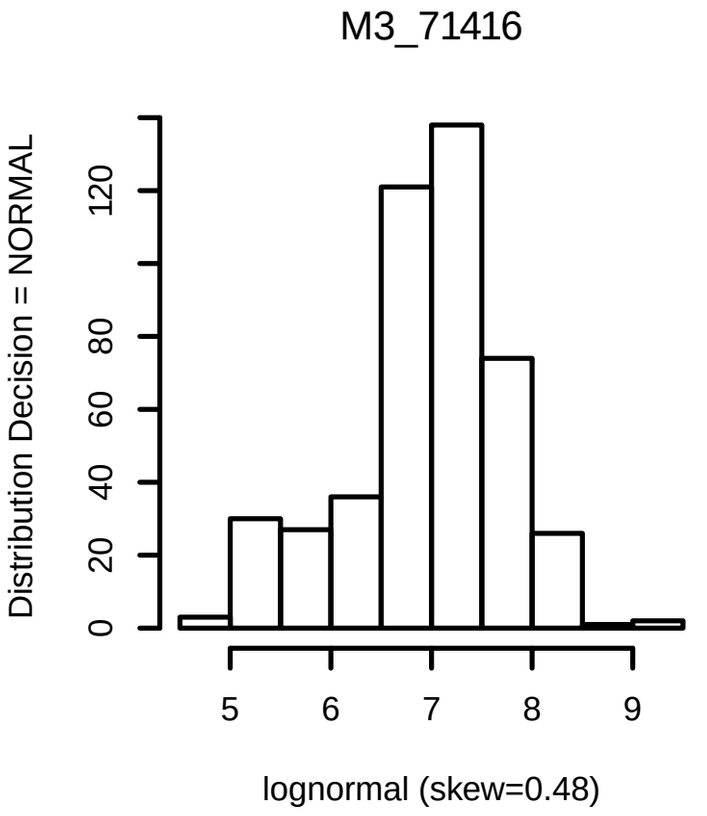

M3_39455
Distribution Decision = NORMAL
0
50
100
150
200
0
2000
4000
6000
8000
normal (skew=0.023)

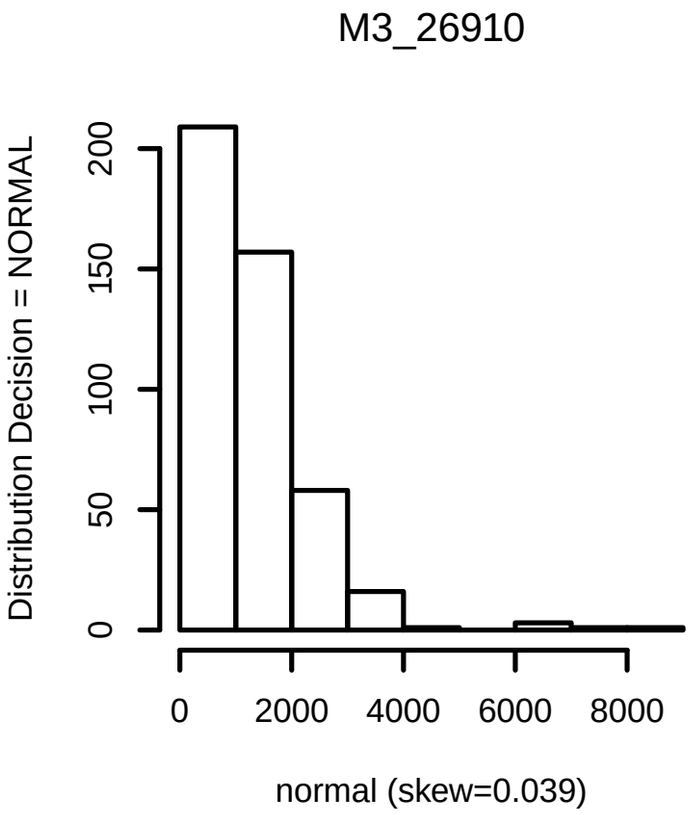

M3_39455
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.3)

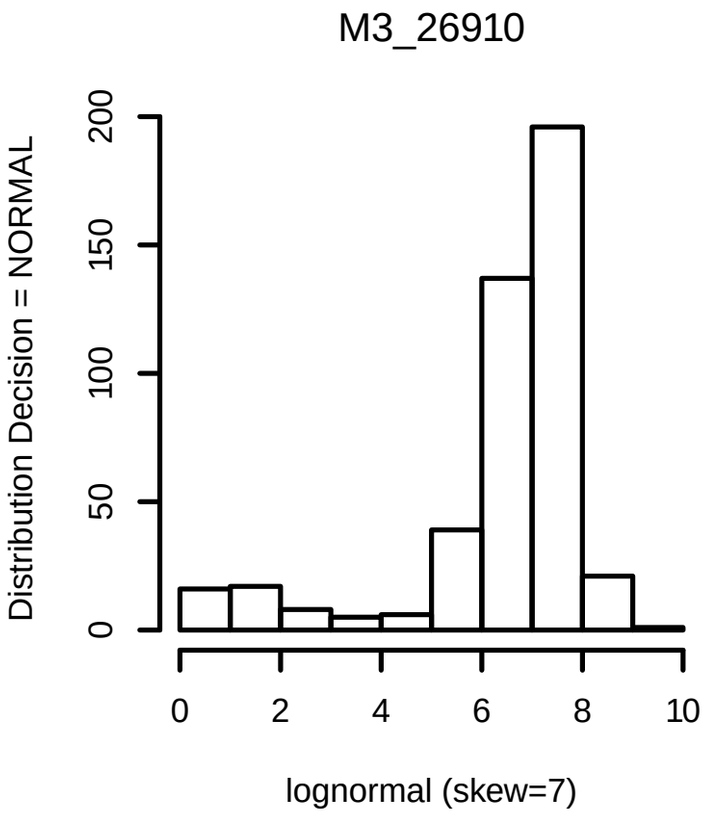

M3_70289
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
40000
60000
80000
normal (skew=1)

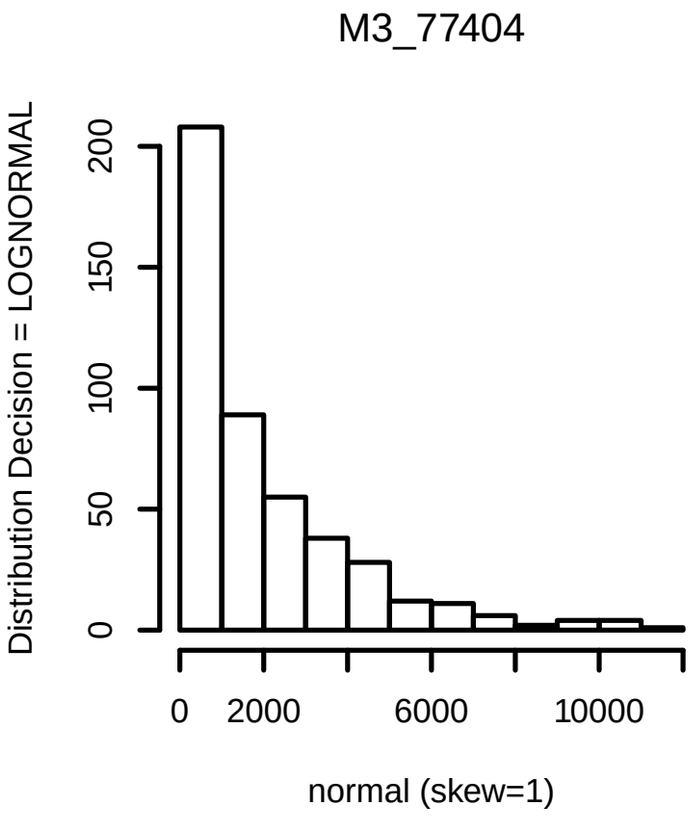

M3_70289
Distribution Decision = LOGNORMAL
0
50
100
150
200
4
6
8
10
12
lognormal (skew=0.45)

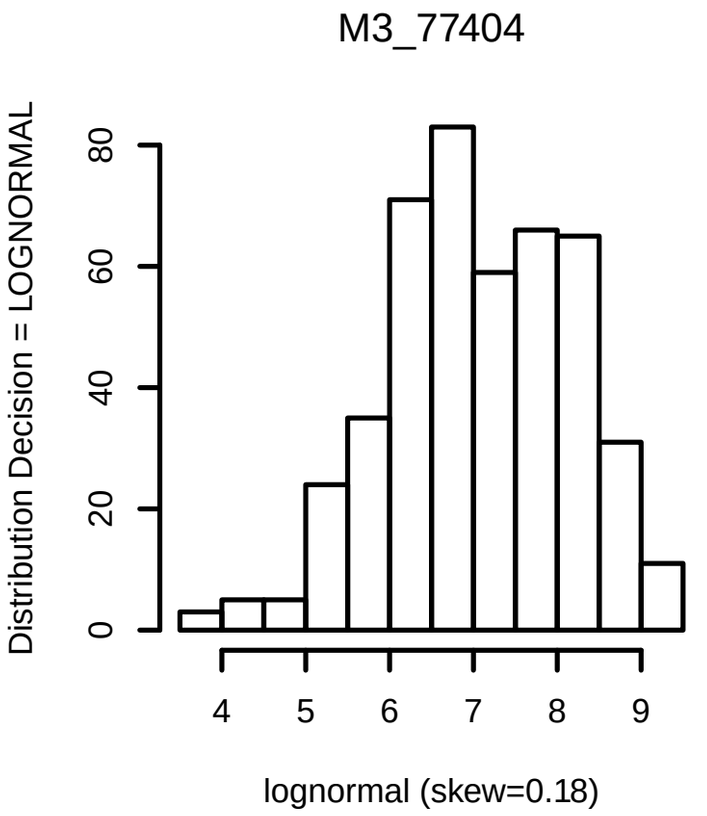

M3_71416
Distribution Decision = NORMAL
0
50
100
150
200
0
2000
6000
10000
normal (skew=0.14)

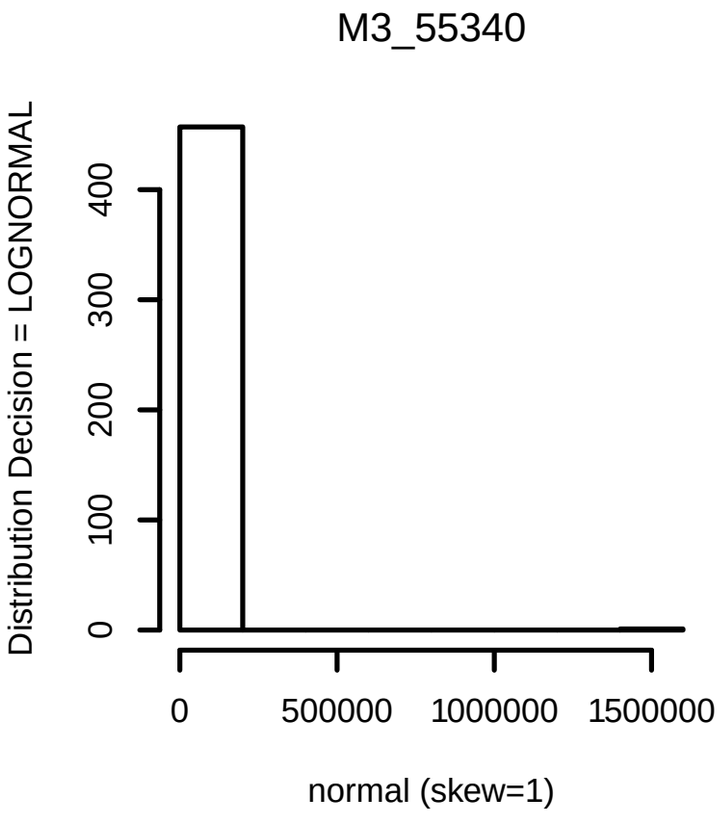

M3_71416
Distribution Decision = NORMAL
0
20
40
60
80
120
5
6
7
8
9
lognormal (skew=0.48)

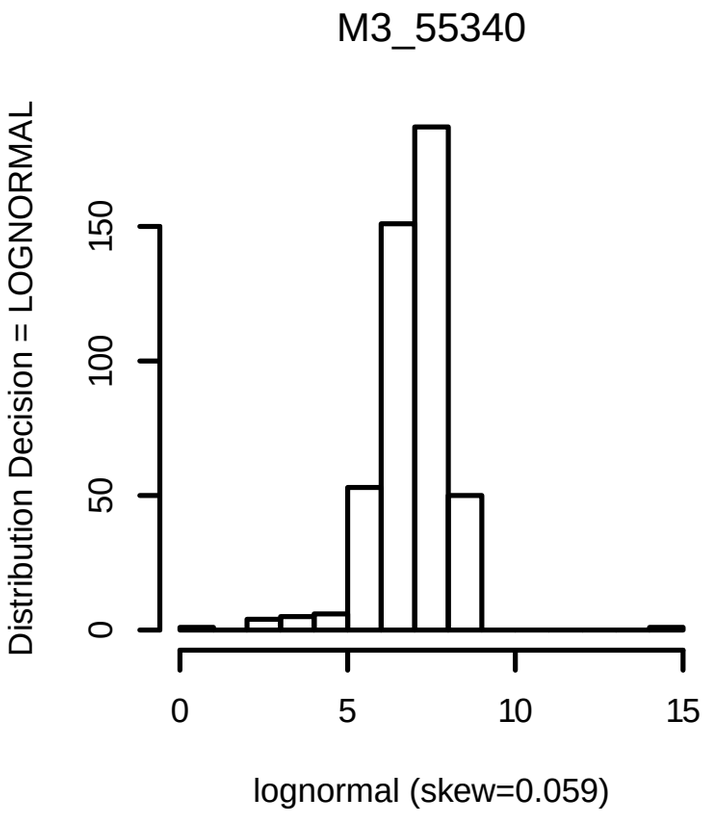

M3_26910
Distribution Decision = NORMAL
0
50
100
150
200
0
2000
4000
6000
8000
normal (skew=0.039)

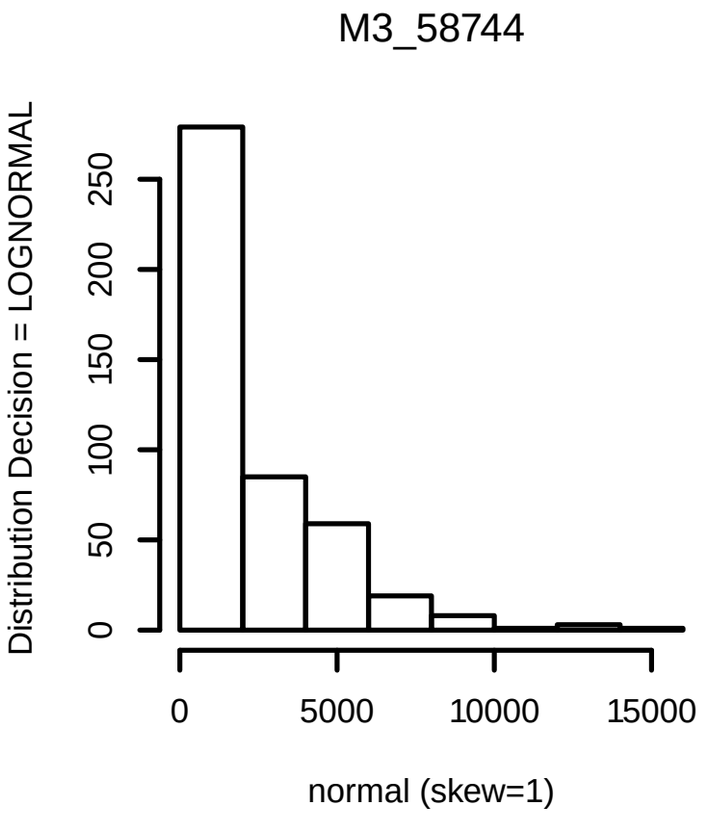

M3_26910
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=7)

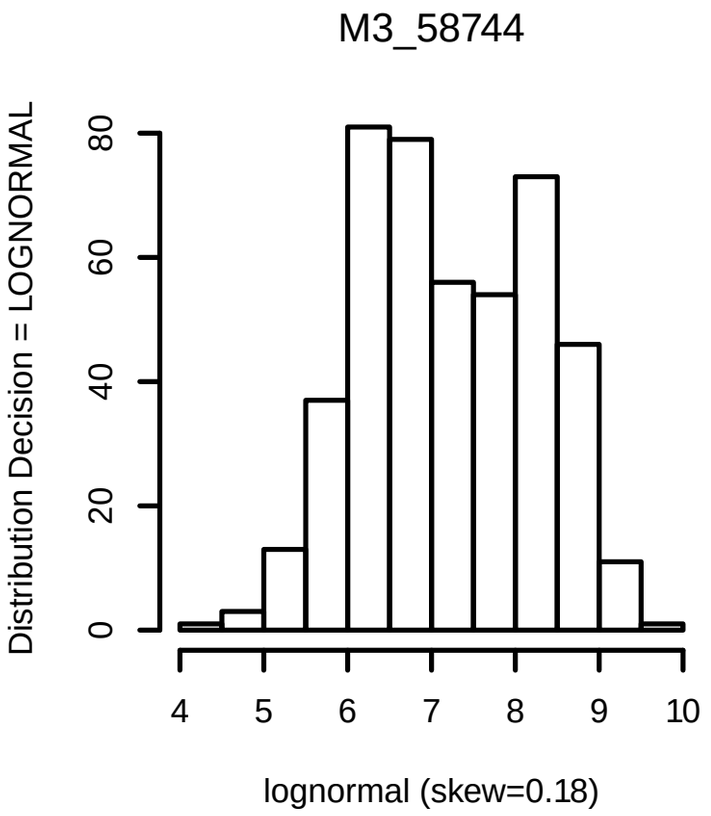

M3_77404
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2000
6000
10000
normal (skew=1)

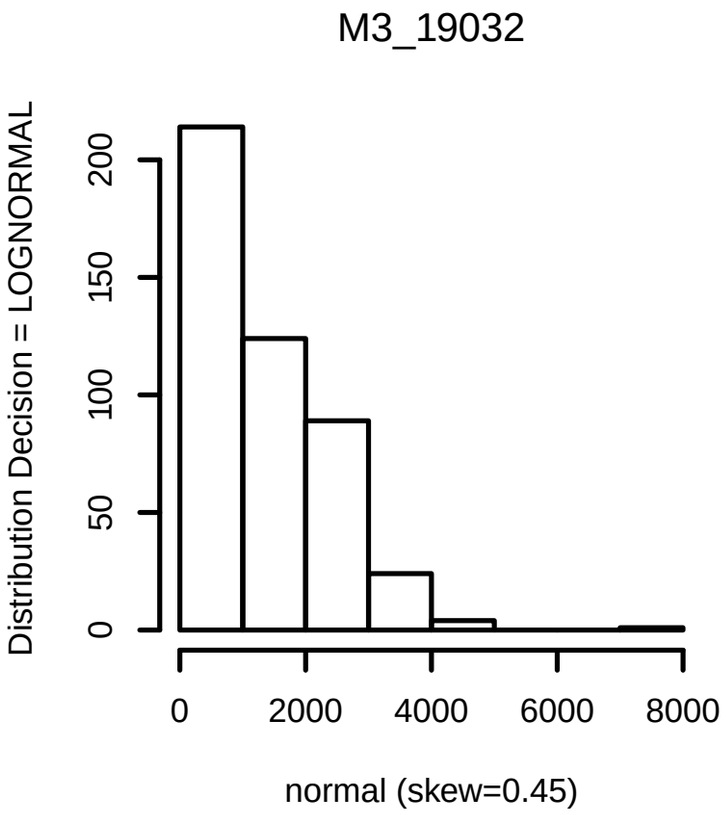

M3_77404
Distribution Decision = LOGNORMAL
0
20
40
60
80
4
5
6
7
8
9
lognormal (skew=0.18)

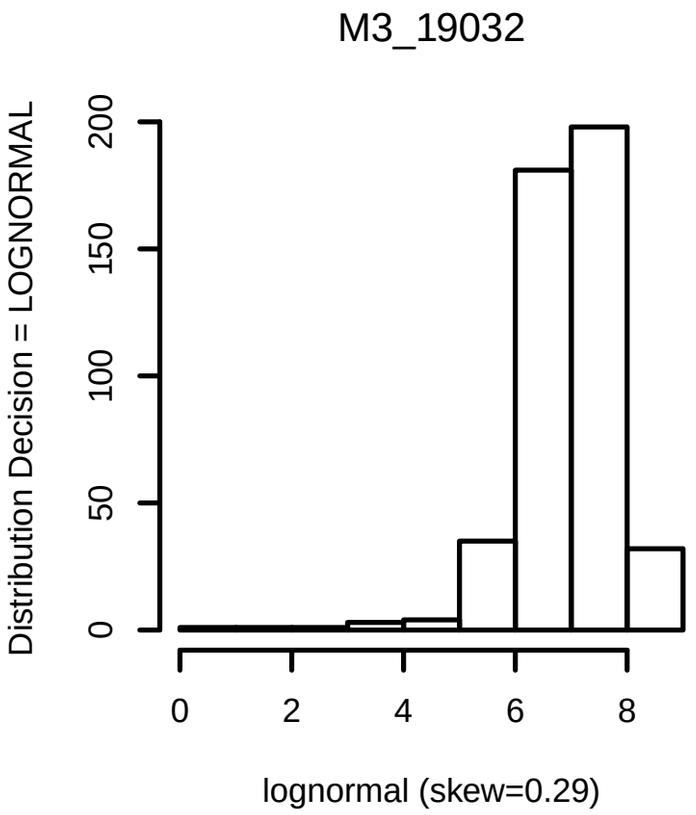

M3_55340
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
500000
1000000
1500000
normal (skew=1)

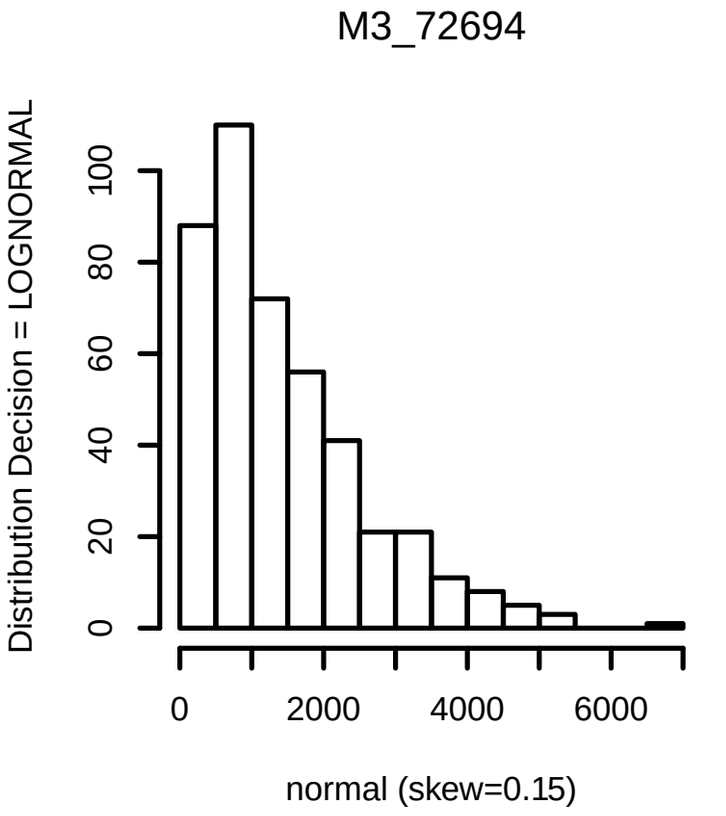

M3_55340
Distribution Decision = LOGNORMAL
0
50
100
150
0
5
10
15
lognormal (skew=0.059)

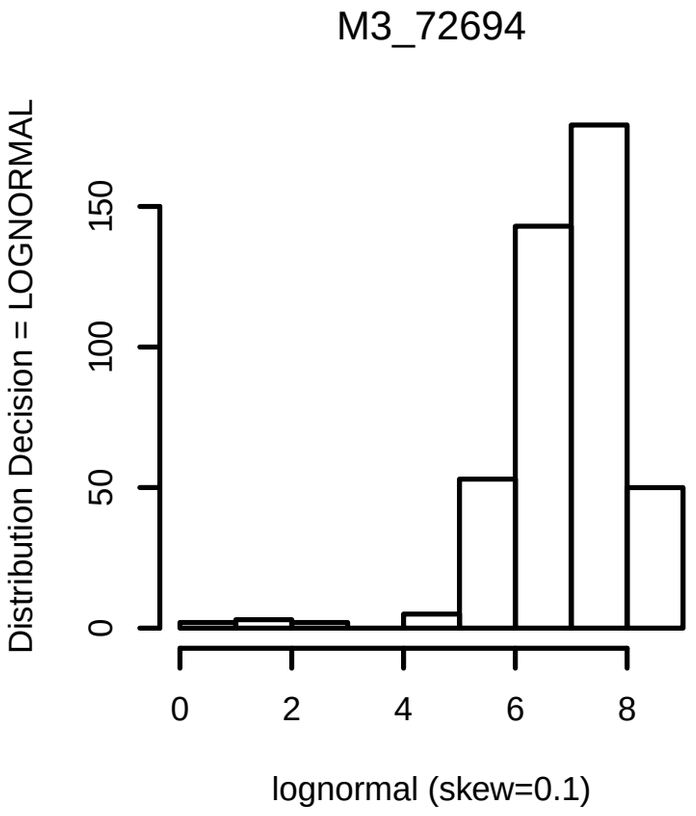

M3_58744
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
10000
15000
normal (skew=1)

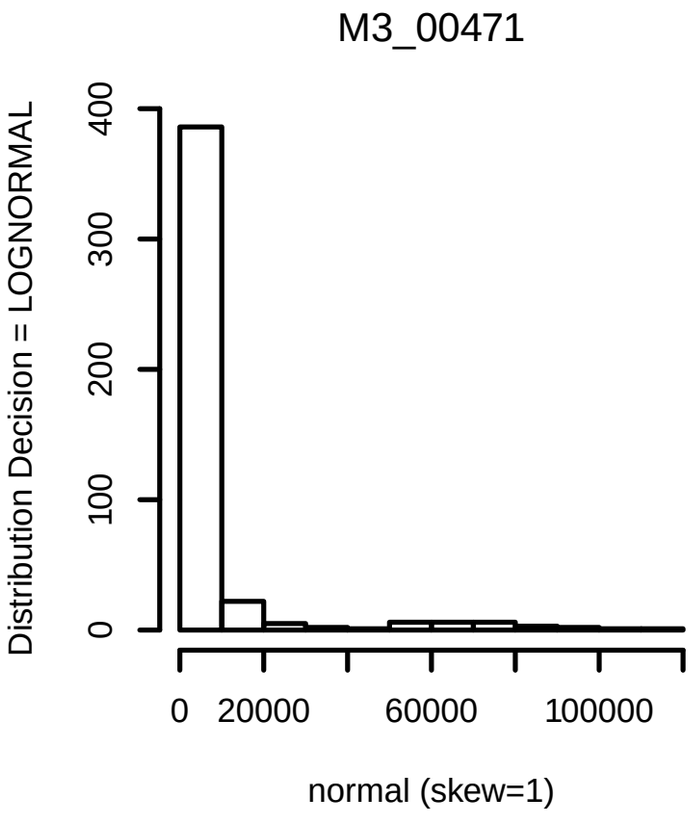

M3_58744
Distribution Decision = LOGNORMAL
0
20
40
60
80
4
5
6
7
8
9
10
lognormal (skew=0.18)

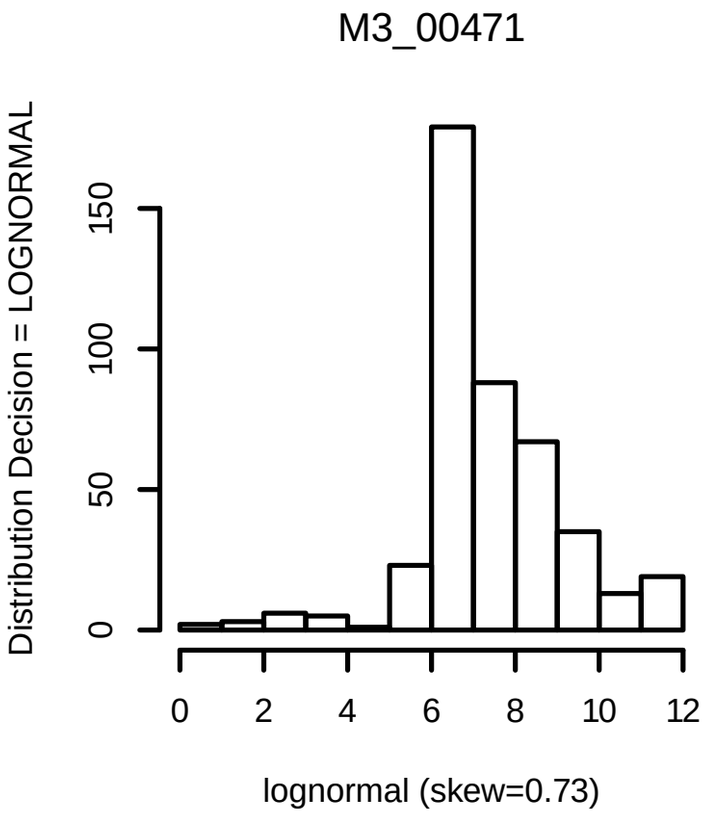

M3_19032
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2000
4000
6000
8000
normal (skew=0.45)

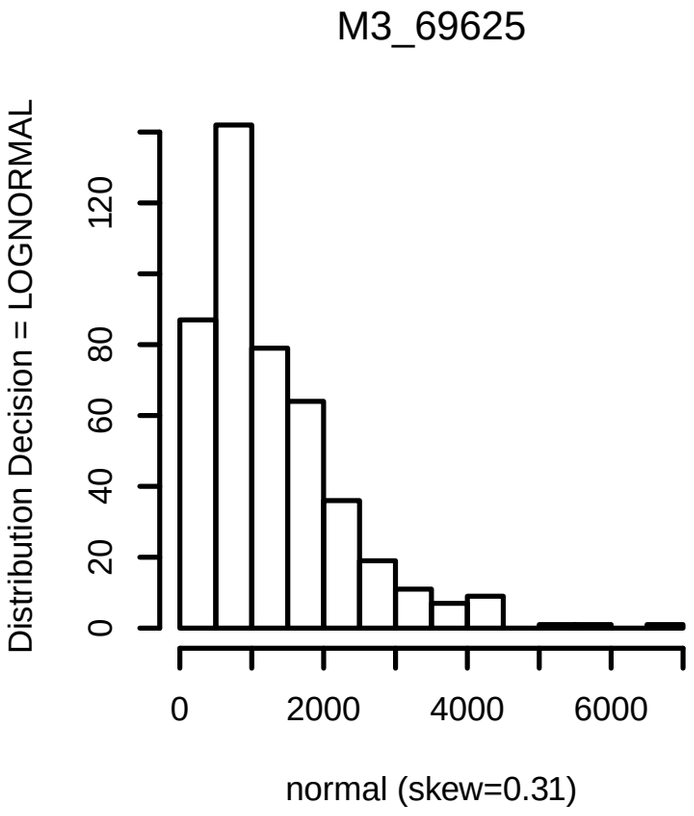

M3_19032
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.29)

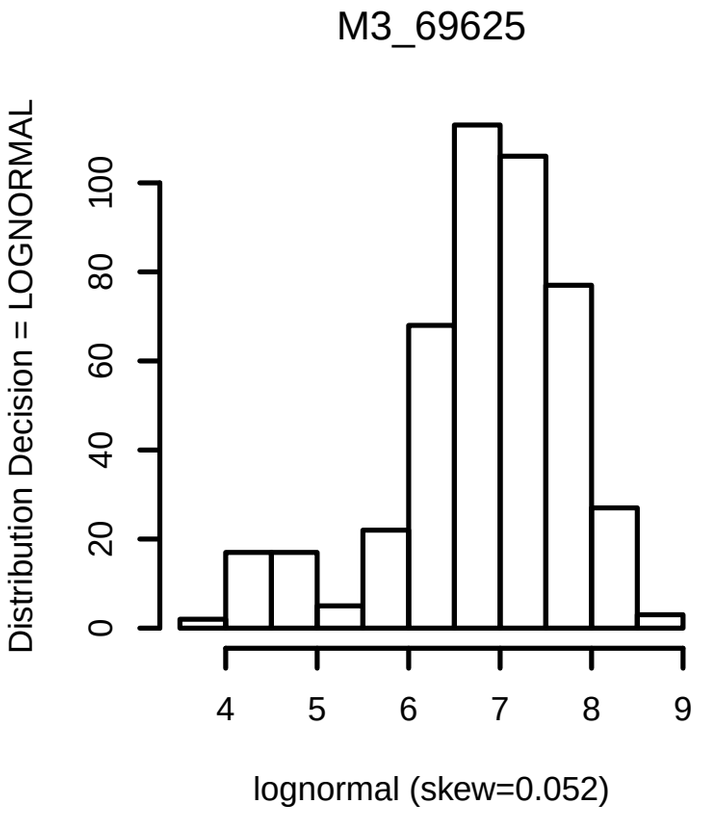

M3_72694
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2000
4000
6000
normal (skew=0.15)

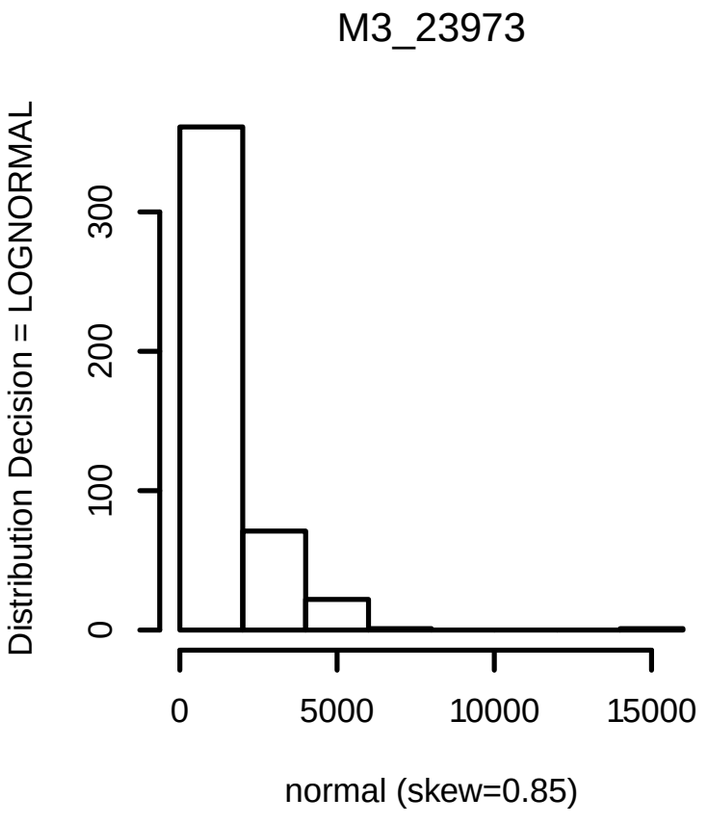

M3_72694
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.1)

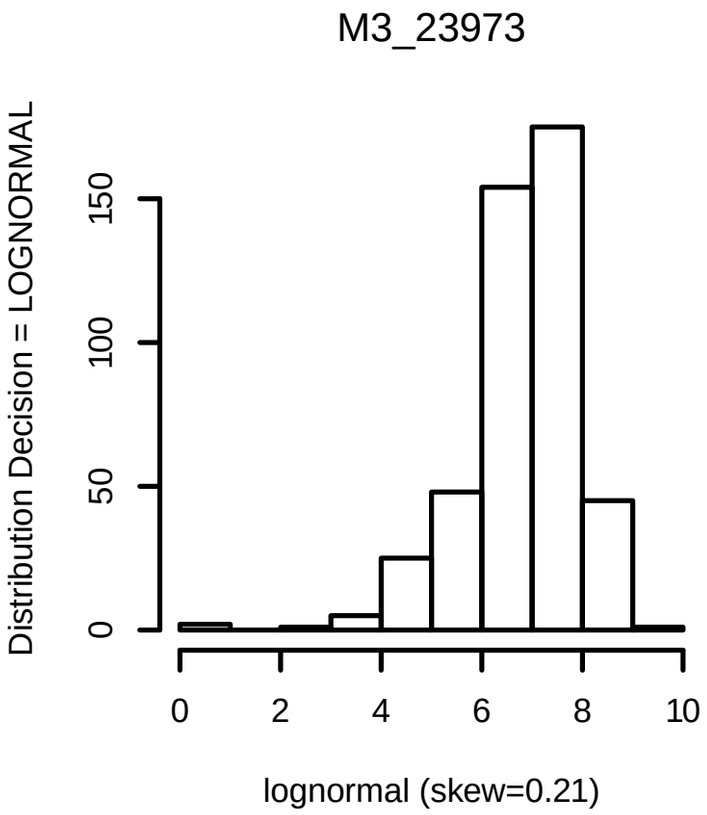

M3_00471
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
20000
60000
100000
normal (skew=1)

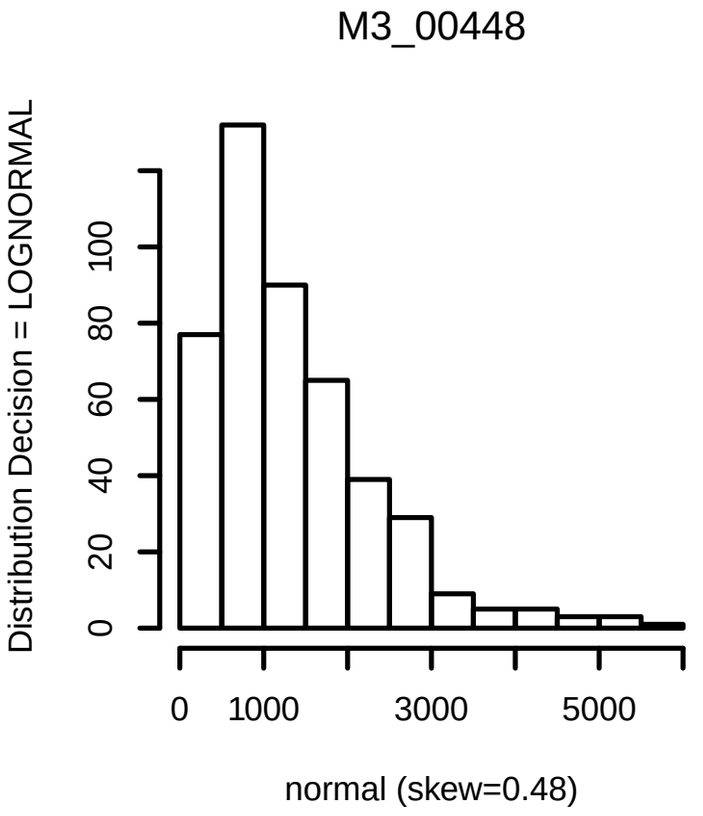

M3_00471
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
12
lognormal (skew=0.73)

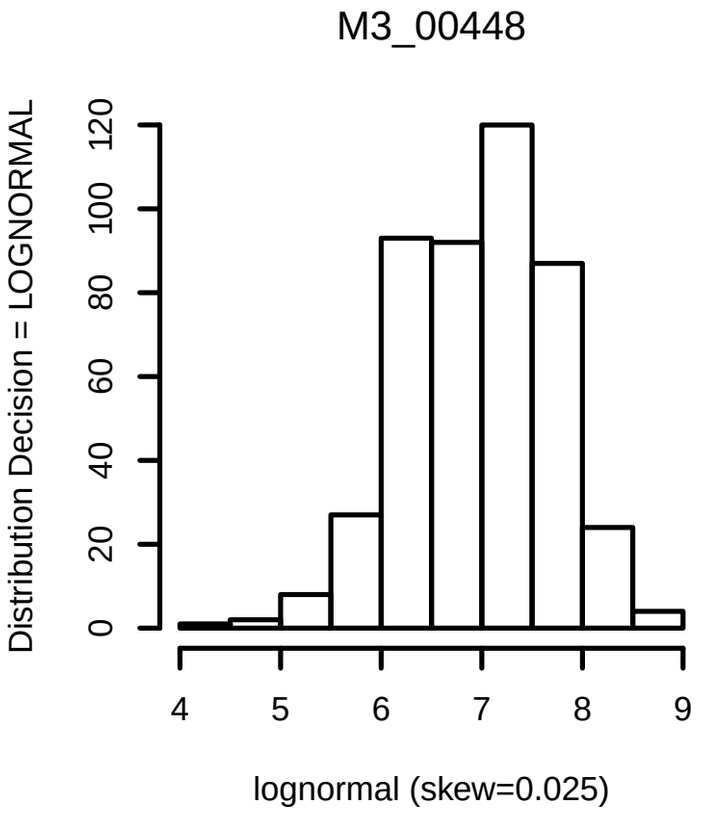

M3_69625
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
0
2000
4000
6000
normal (skew=0.31)

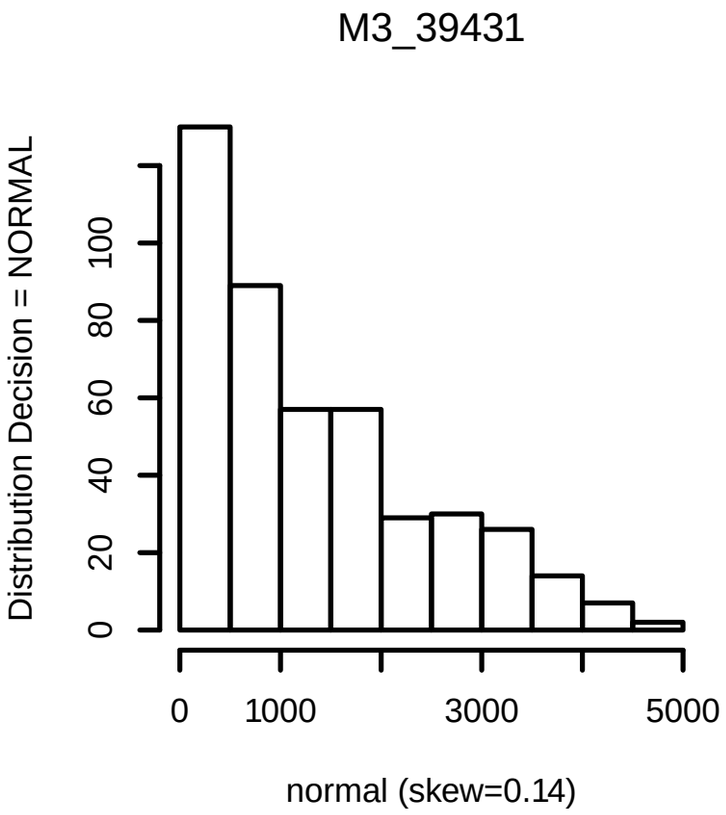

M3_69625
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
9
lognormal (skew=0.052)

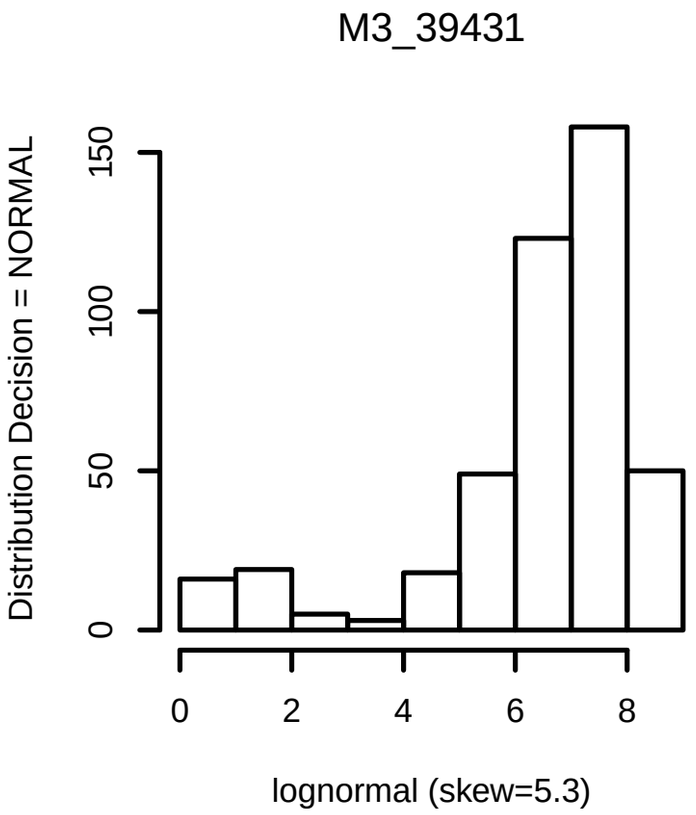

M3_23973
Distribution Decision = LOGNORMAL
0
100
200
300
0
5000
10000
15000
normal (skew=0.85)

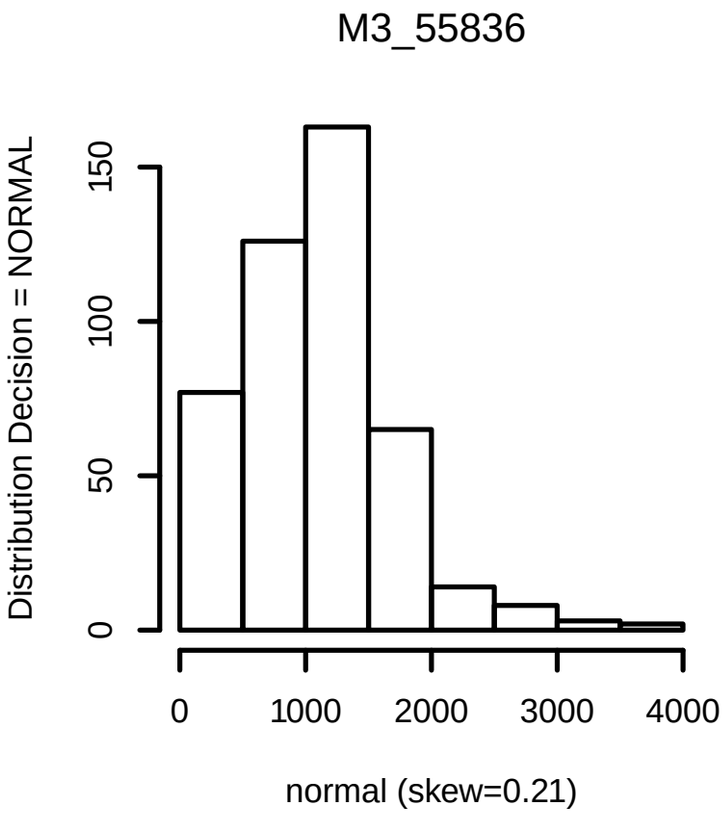

M3_23973
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.21)

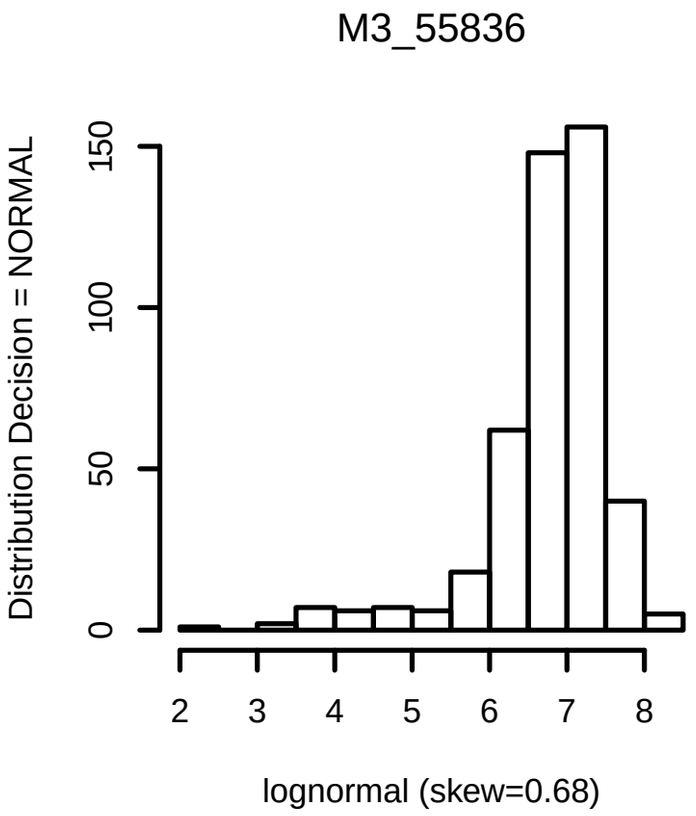

M3_00448
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
1000
3000
5000
normal (skew=0.48)

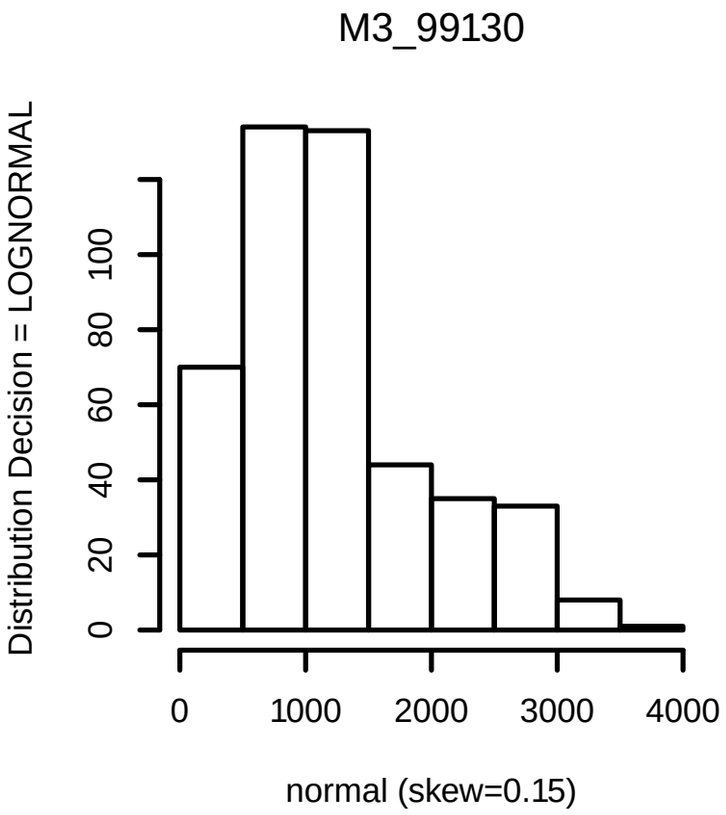

M3_00448
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
4
5
6
7
8
9
lognormal (skew=0.025)

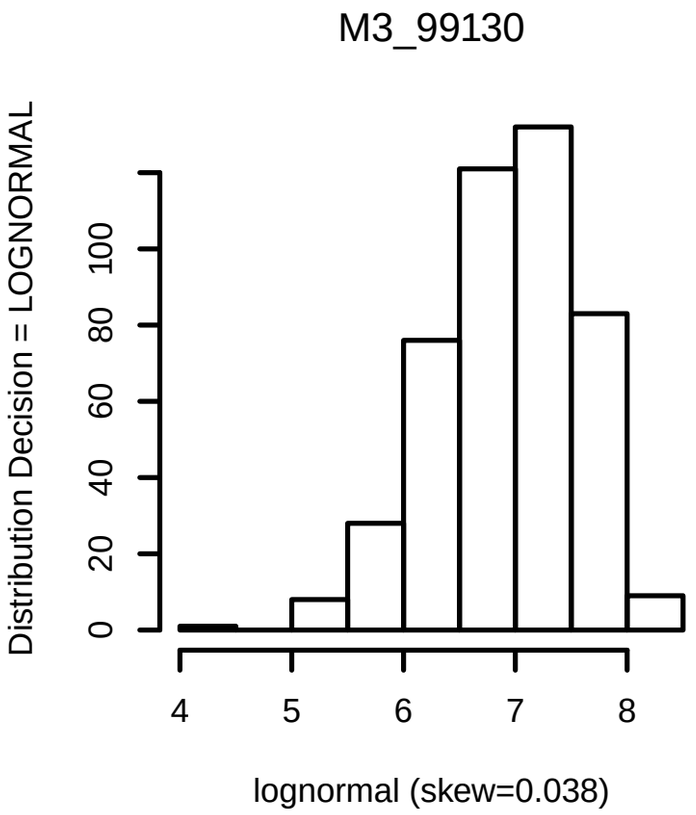

M3_39431
Distribution Decision = NORMAL
0
20
40
60
80
100
0
1000
3000
5000
normal (skew=0.14)

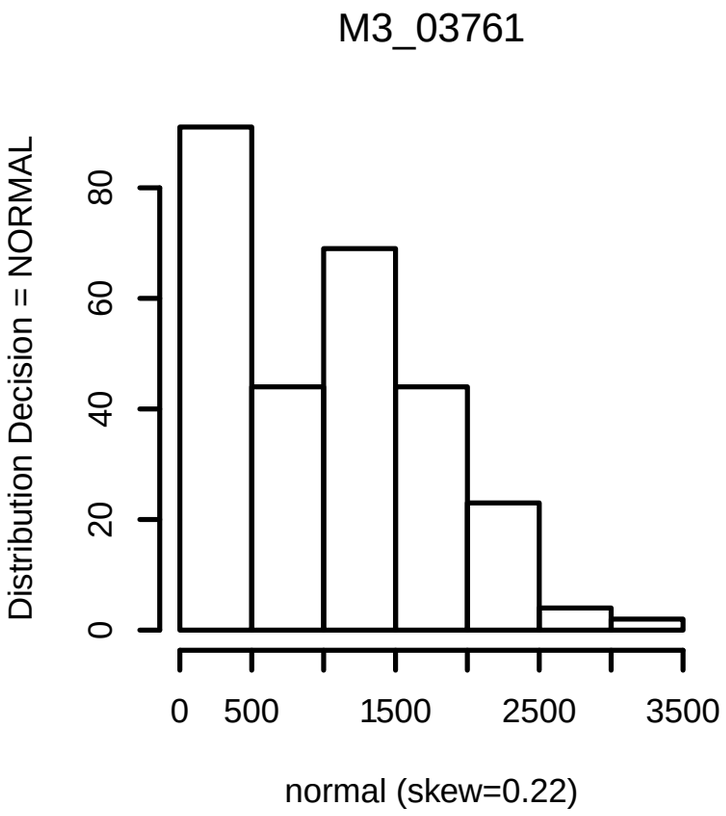

M3_39431
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=5.3)

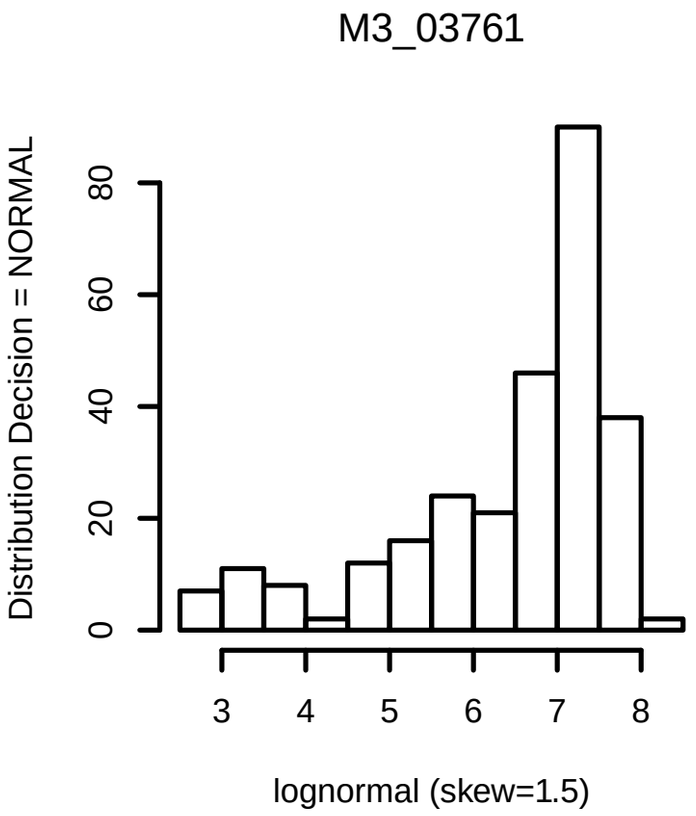

M3_55836
Distribution Decision = NORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.21)

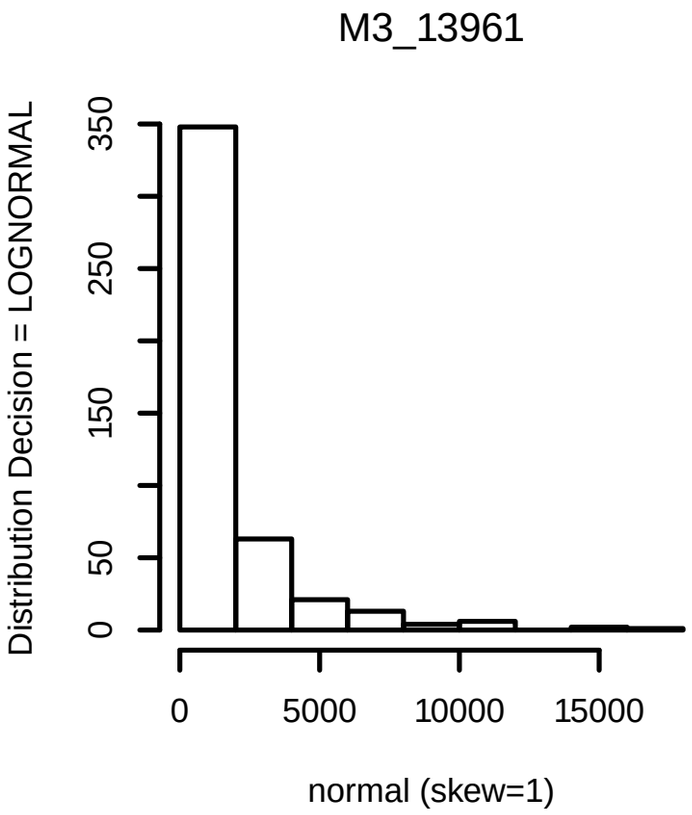

M3_55836
Distribution Decision = NORMAL
0
50
100
150
2
3
4
5
6
7
8
lognormal (skew=0.68)

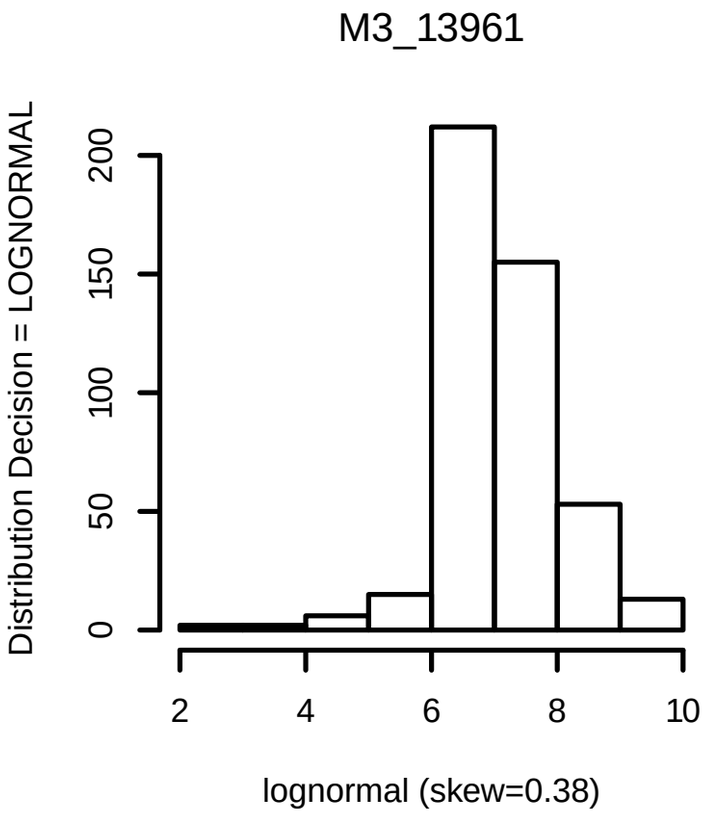

M3_99130
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
1000
2000
3000
4000
normal (skew=0.15)

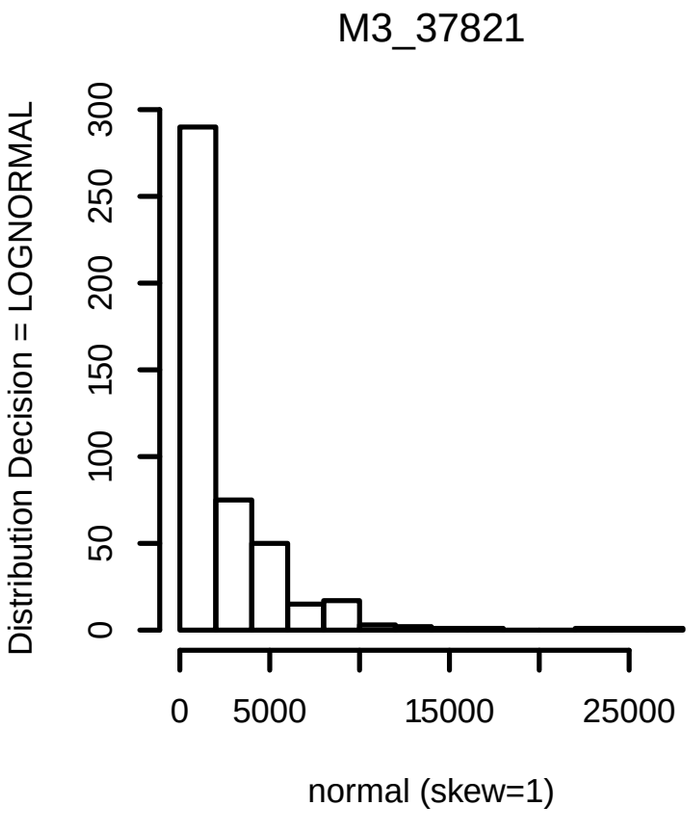

M3_99130
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
lognormal (skew=0.038)

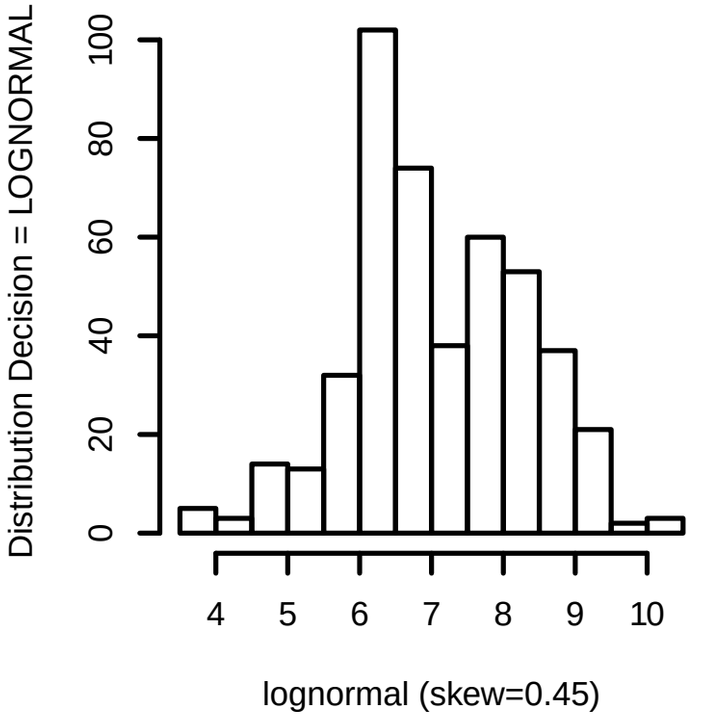

M3_03761
Distribution Decision = NORMAL
0
20
40
60
80
0
500
1500
2500
3500
normal (skew=0.22)

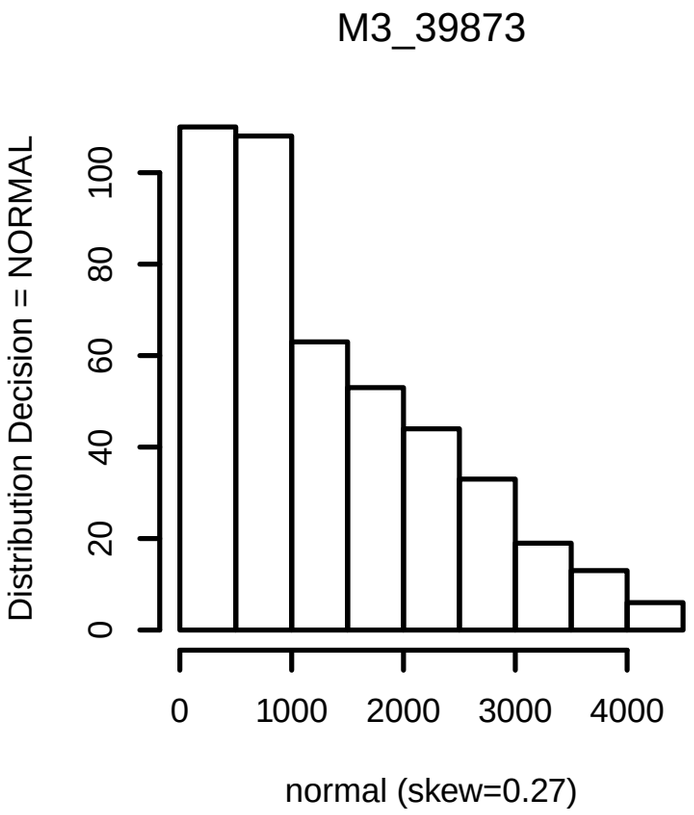

M3_03761
Distribution Decision = NORMAL
0
20
40
60
80
3
4
5
6
7
8
lognormal (skew=1.5)

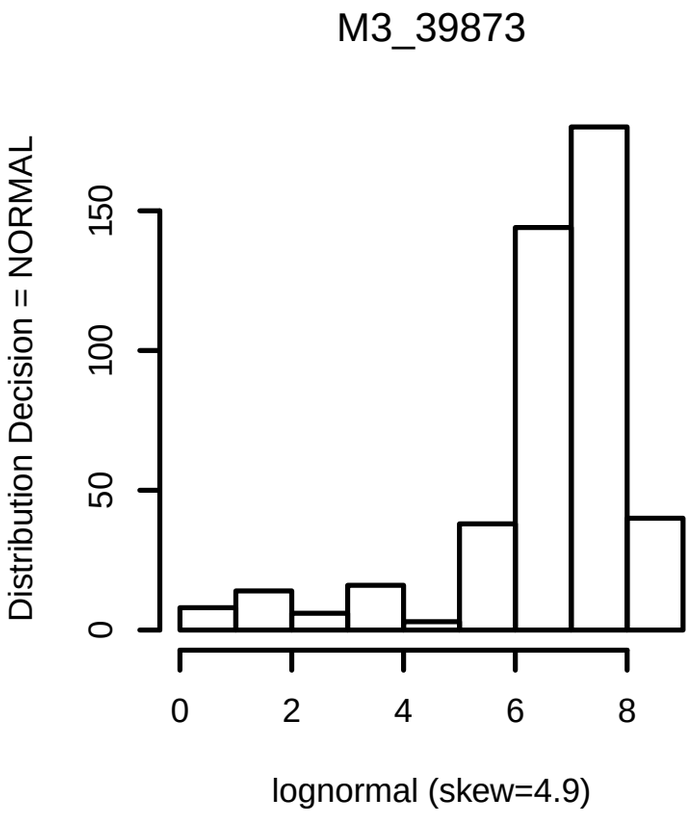

M3_13961
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
5000
10000
15000
normal (skew=1)

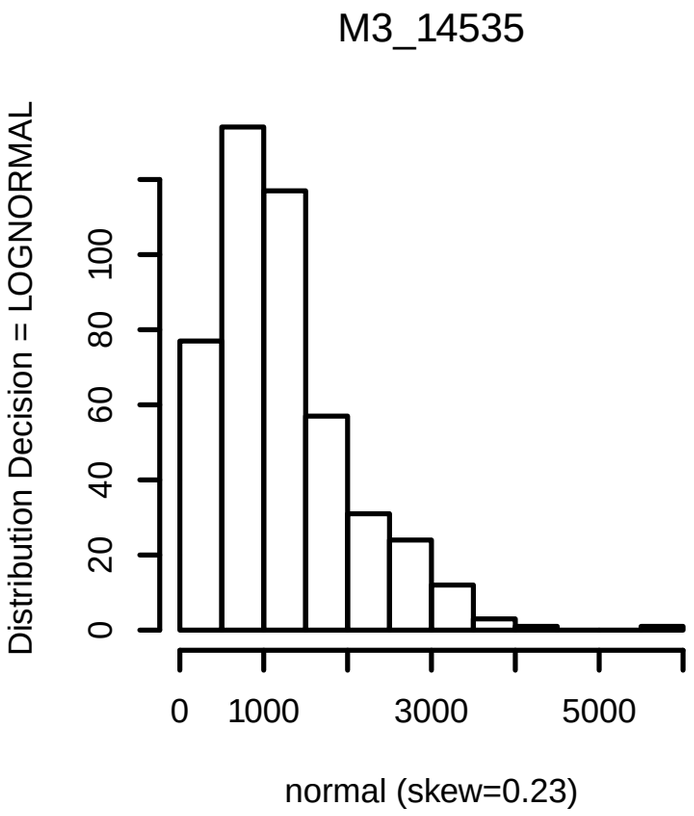

M3_13961
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.38)

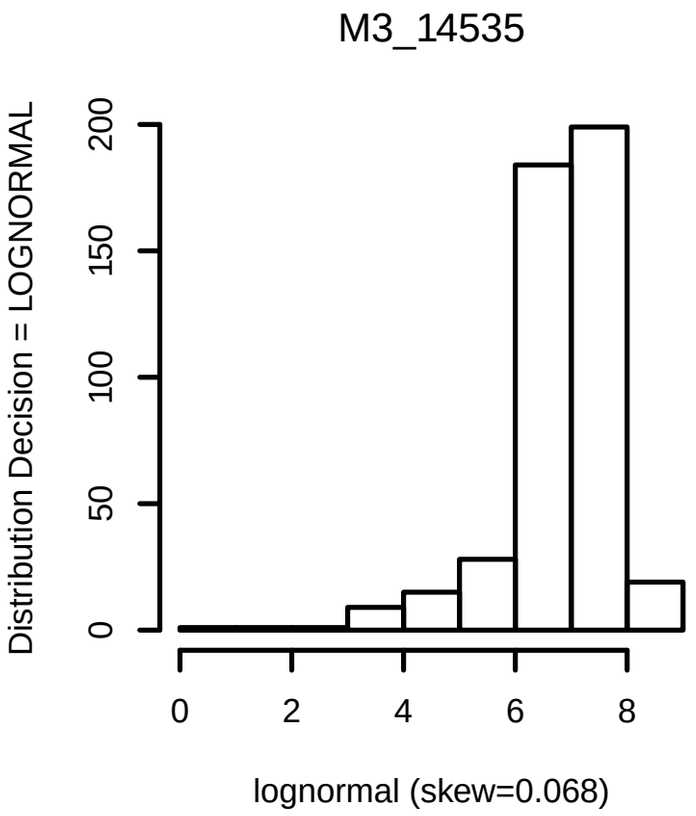

M3_37821
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
5000
15000
25000
normal (skew=1)

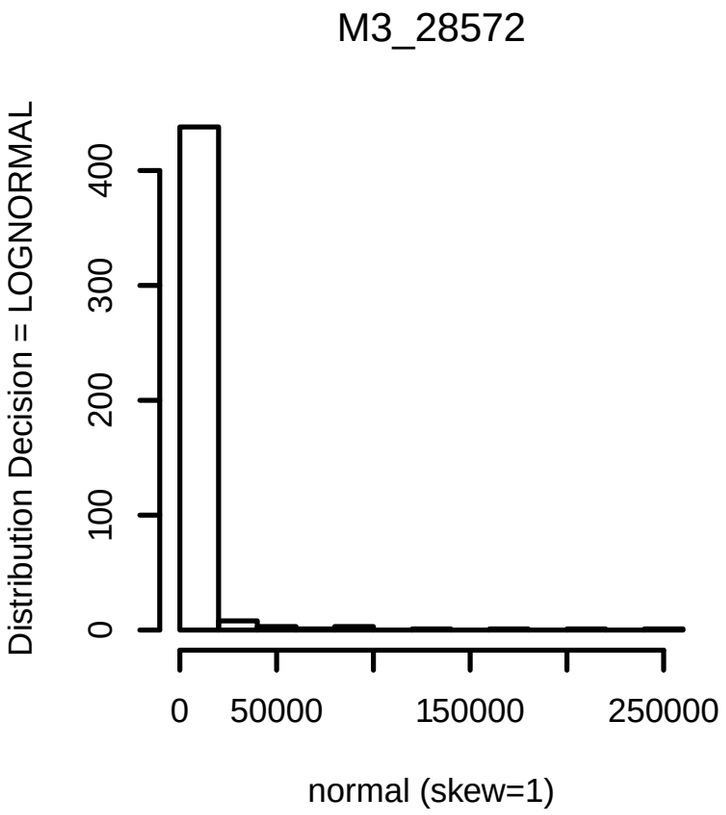

M3_37821
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
9
10
lognormal (skew=0.45)

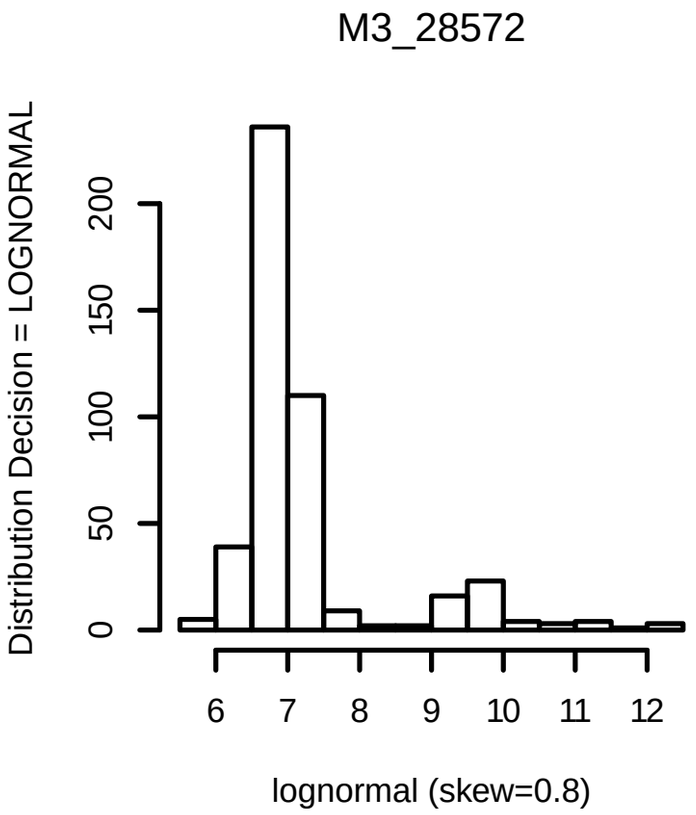

M3_39873
Distribution Decision = NORMAL
0
20
40
60
80
100
0
1000
2000
3000
4000
normal (skew=0.27)

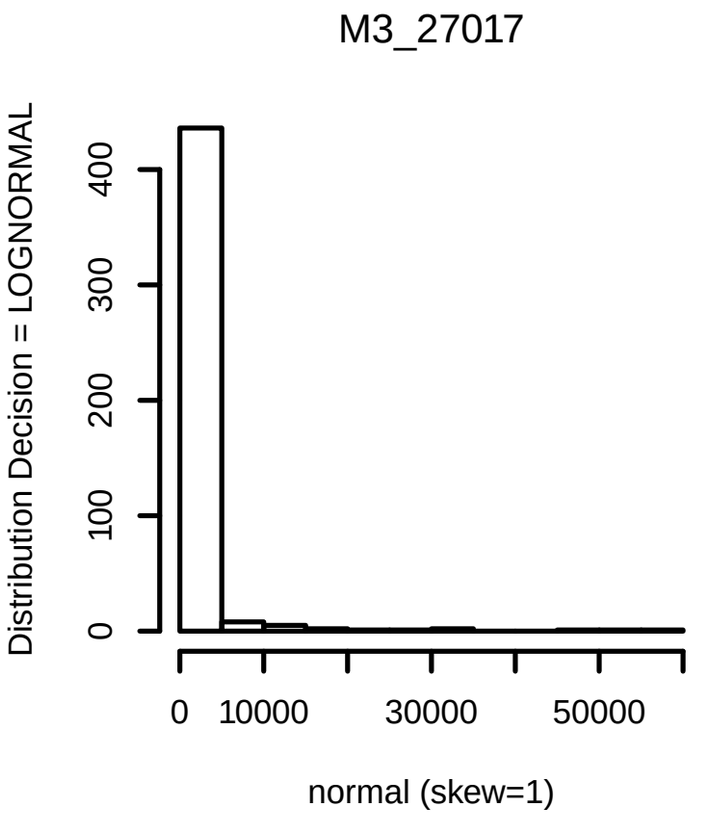

M3_39873
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=4.9)

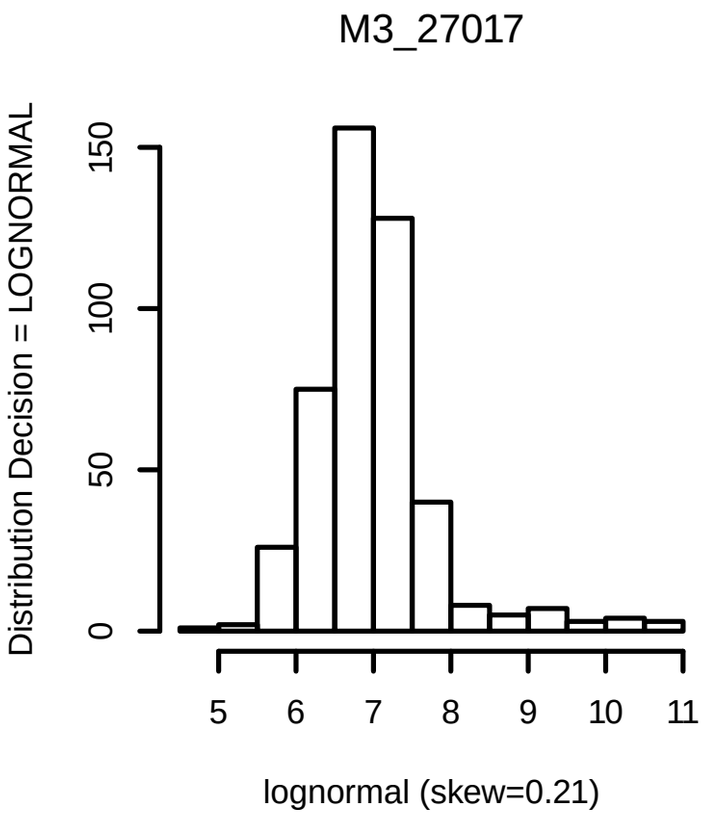

M3_14535
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
1000
3000
5000
normal (skew=0.23)

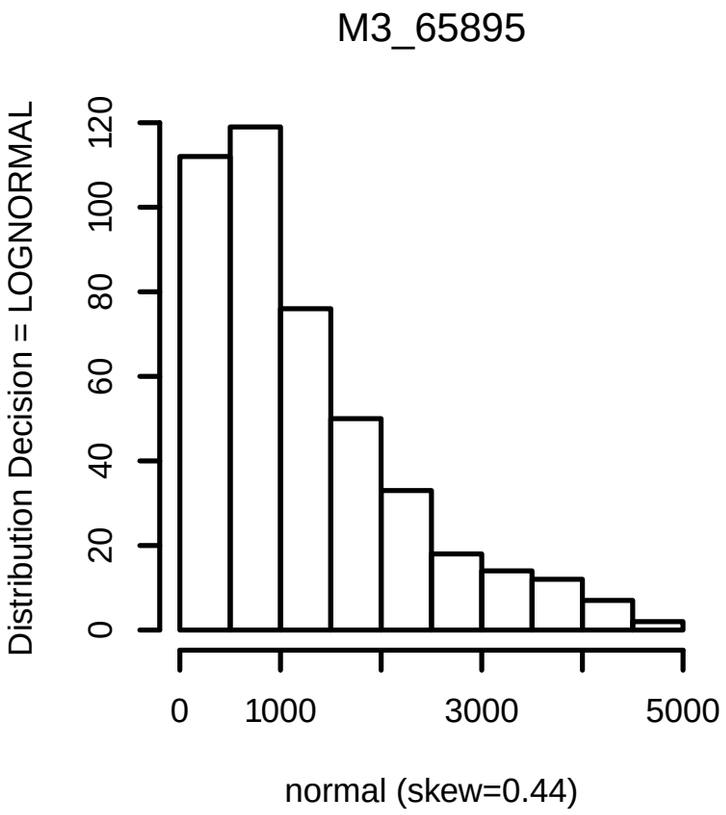

M3_14535
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.068)

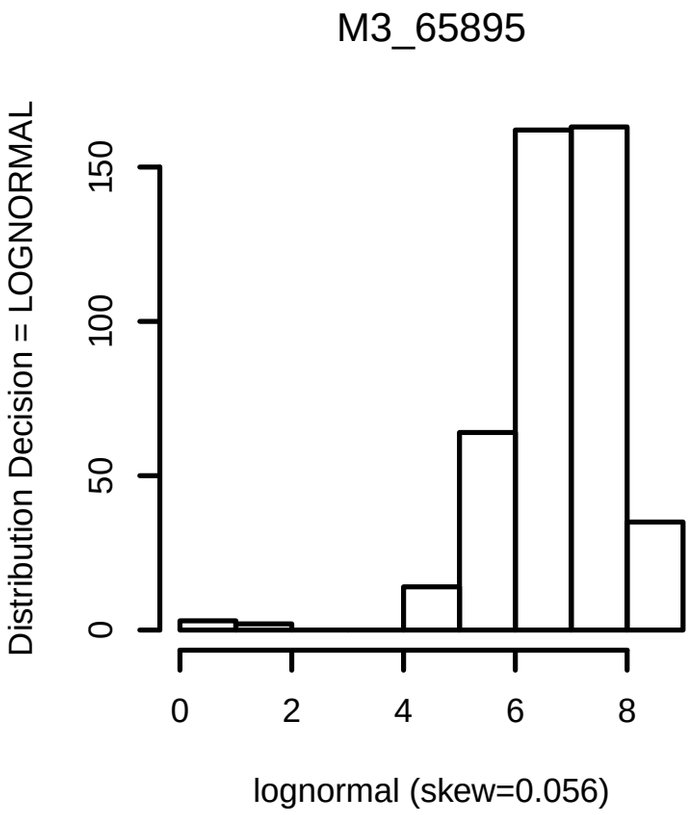

M3_28572
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
50000
150000
250000
normal (skew=1)

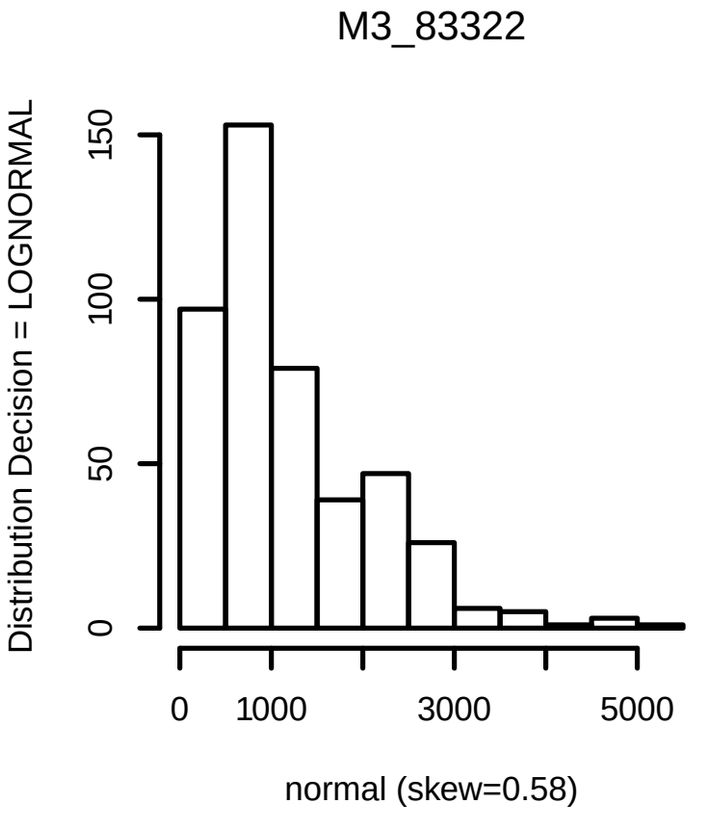

M3_28572
Distribution Decision = LOGNORMAL
0
50
100
150
200
6
7
8
9
10
11
12
lognormal (skew=0.8)

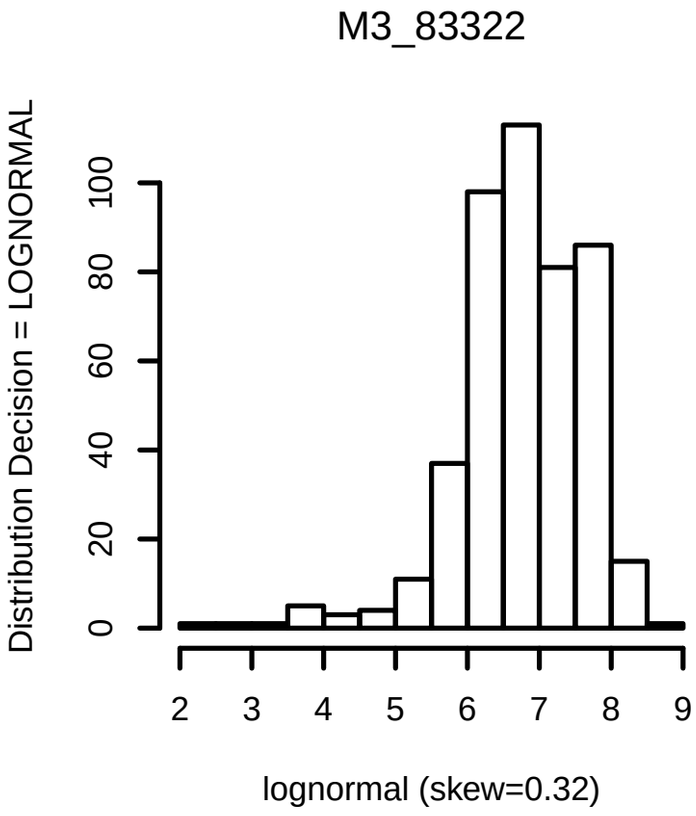

M3_27017
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
30000
50000
normal (skew=1)

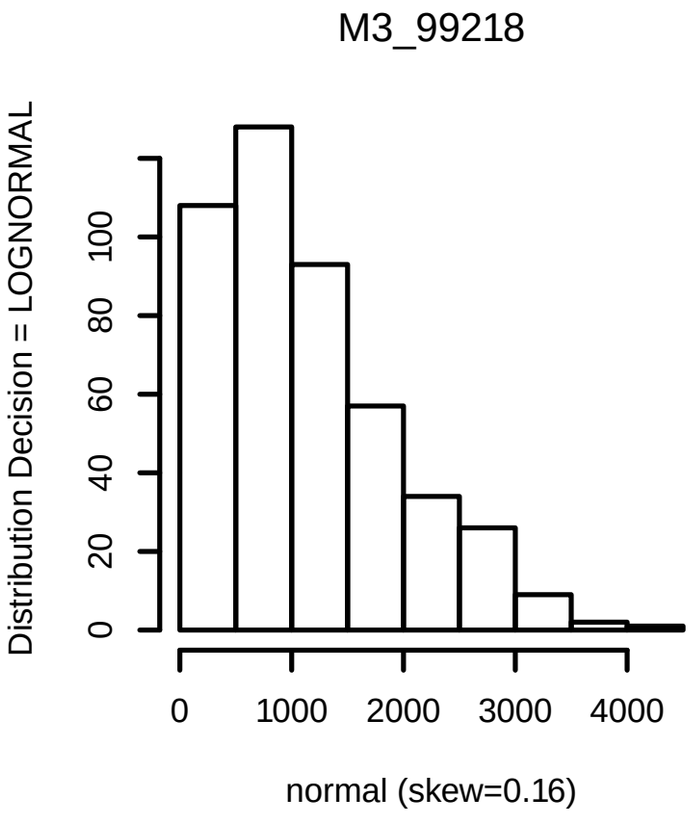

M3_27017
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
10
11
lognormal (skew=0.21)

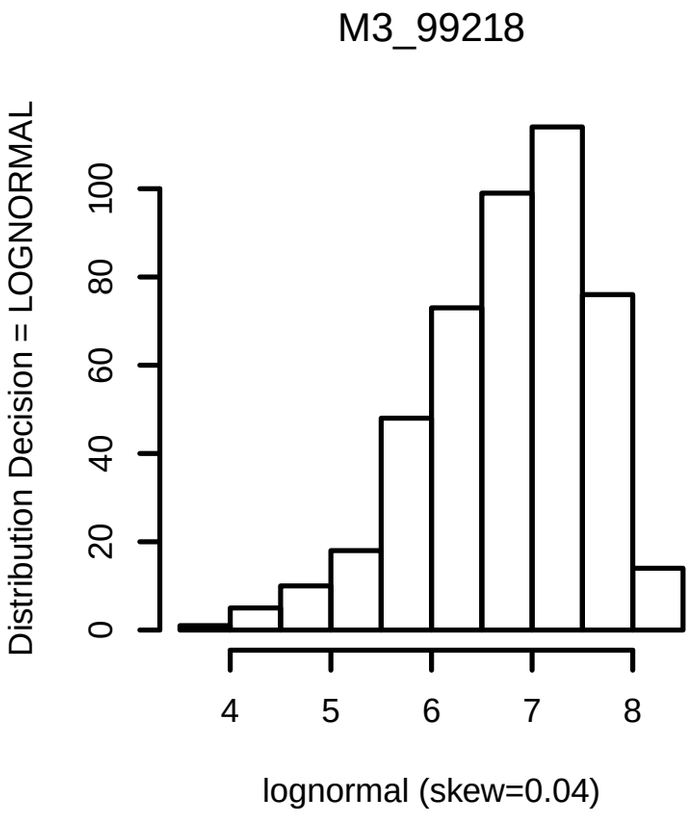

M3_65895
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
1000
3000
5000
normal (skew=0.44)

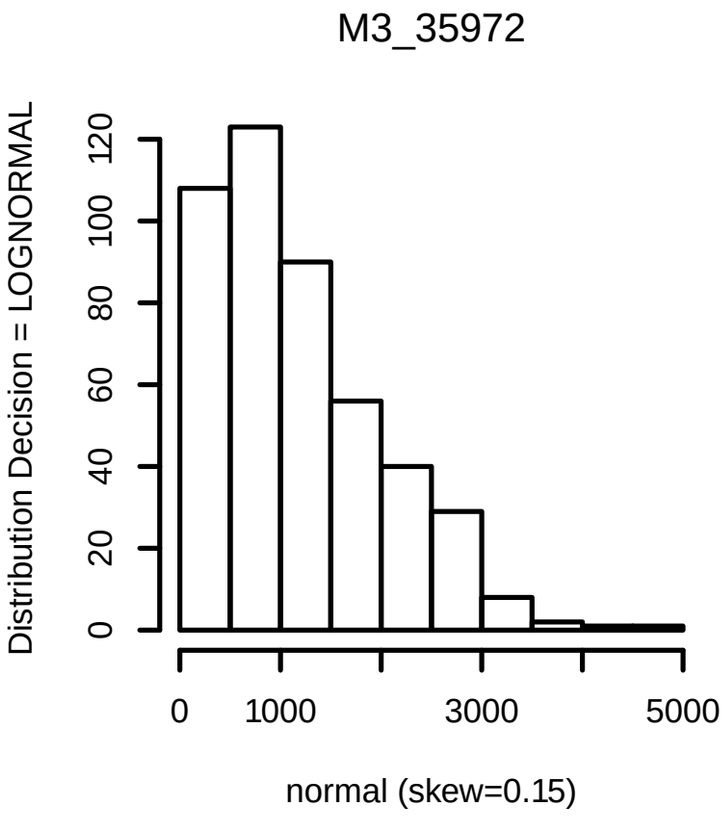

M3_65895
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.056)

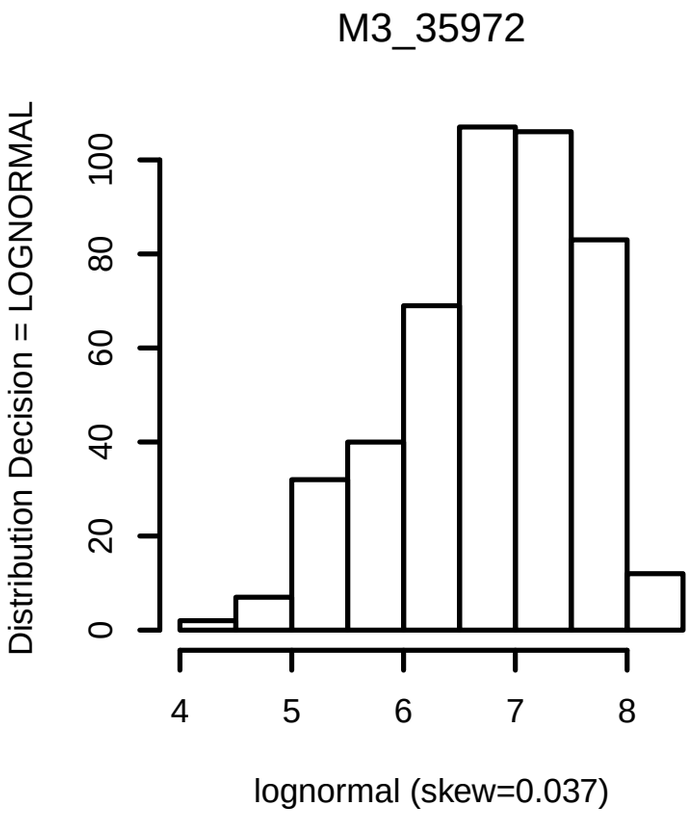

M3_83322
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
3000
5000
normal (skew=0.58)

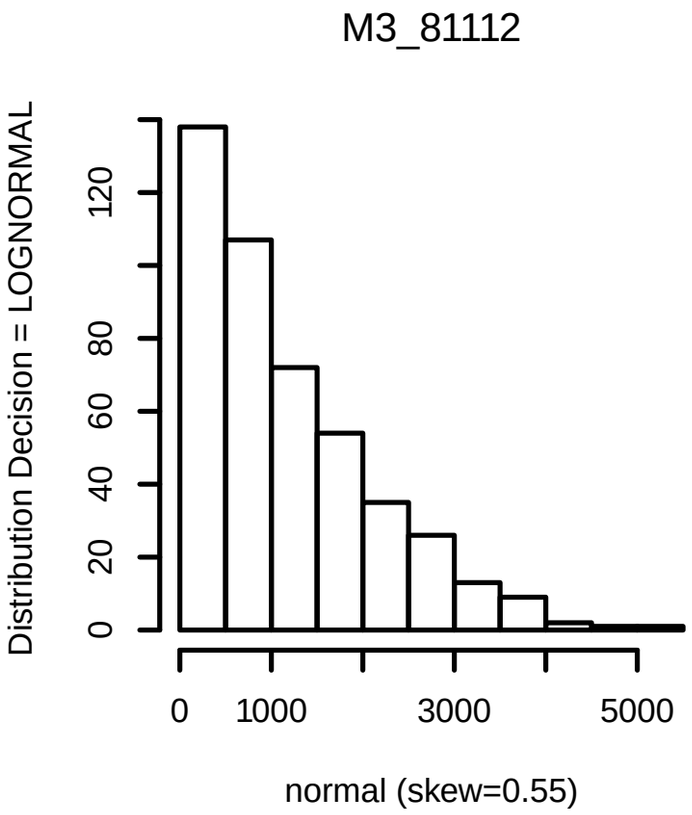

M3_83322
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
2
3
4
5
6
7
8
9
lognormal (skew=0.32)

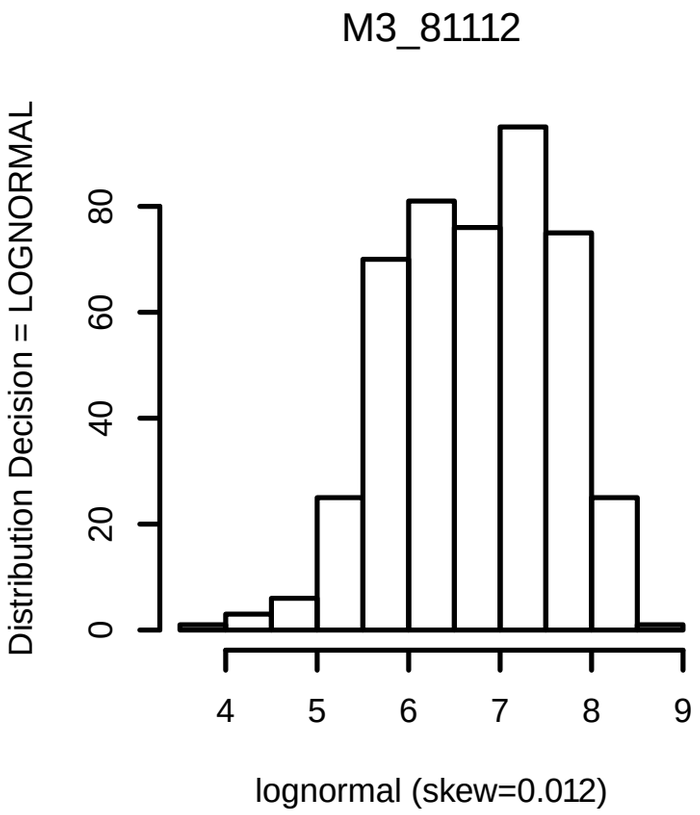

M3_99218
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
1000
2000
3000
4000
normal (skew=0.16)

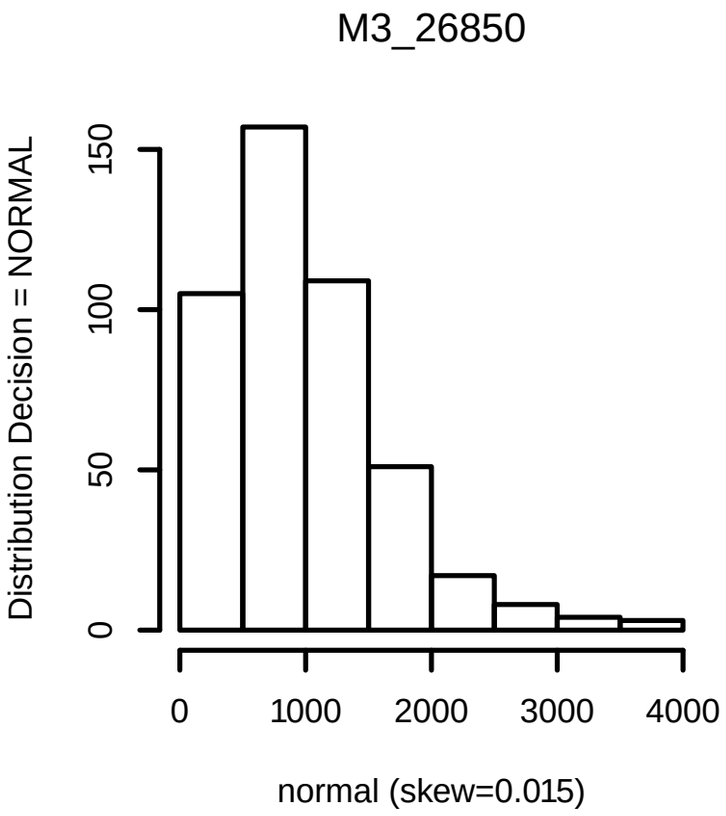

M3_99218
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
lognormal (skew=0.04)

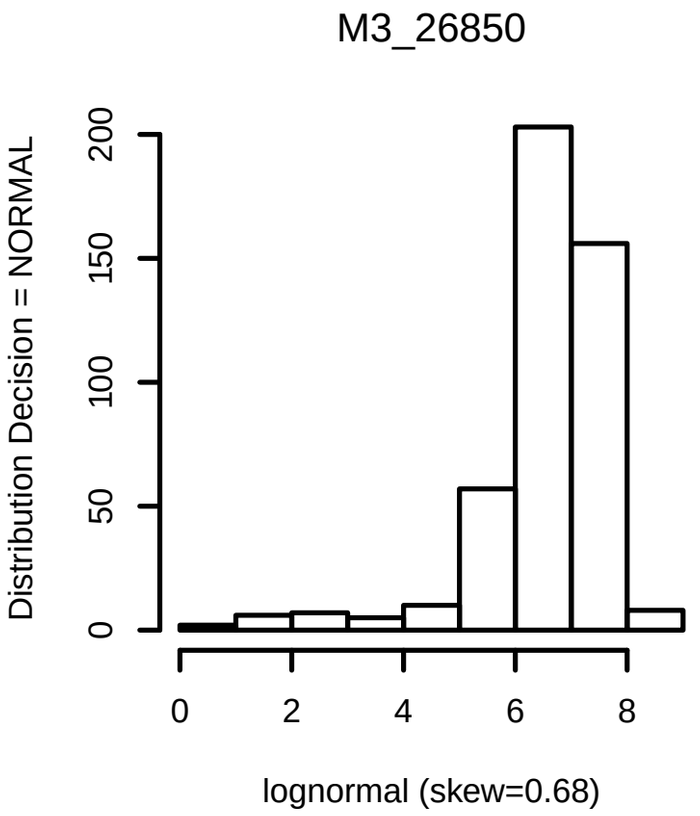

M3_35972
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
1000
3000
5000
normal (skew=0.15)

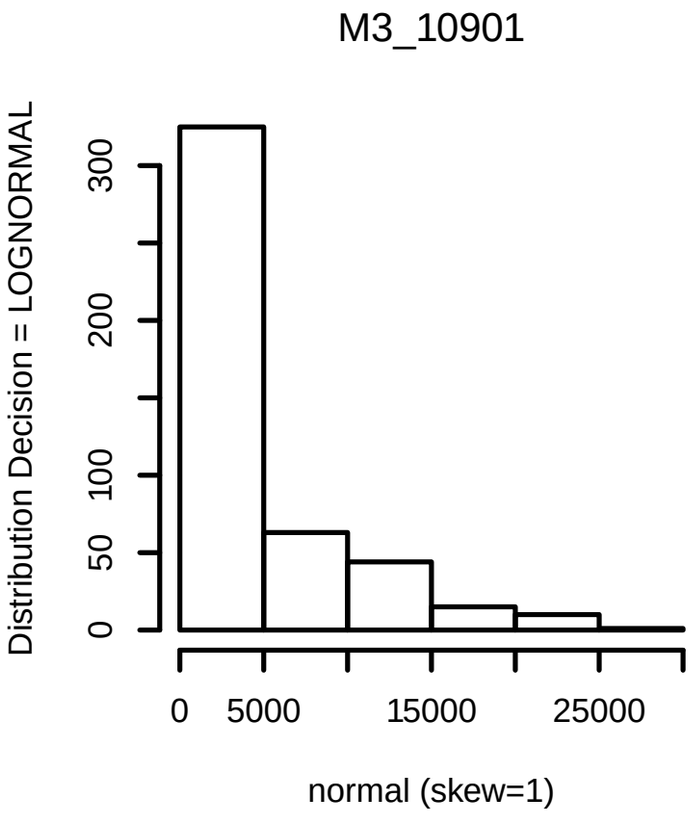

M3_35972
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
lognormal (skew=0.037)

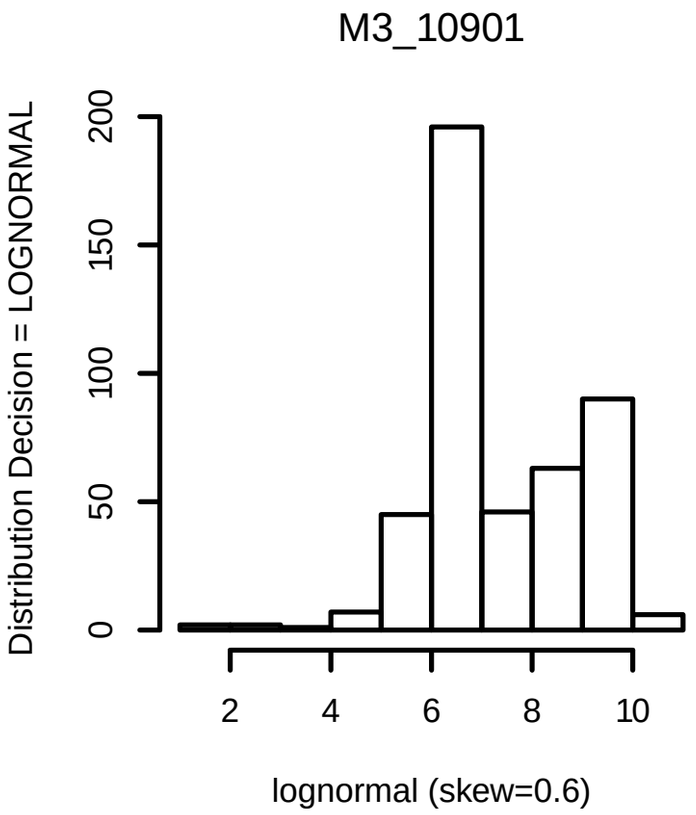

M3_81112
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
0
1000
3000
5000
normal (skew=0.55)

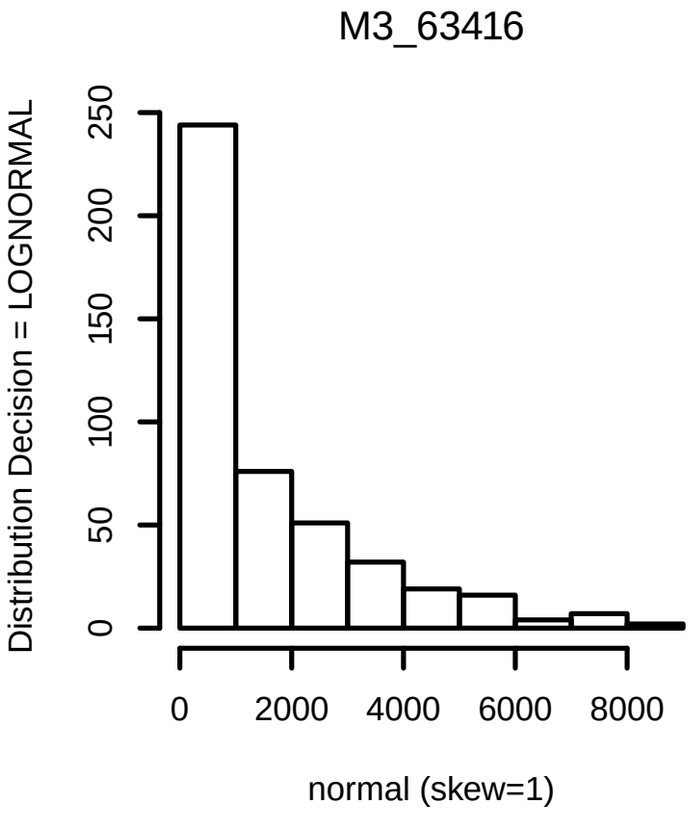

M3_81112
Distribution Decision = LOGNORMAL
0
20
40
60
80
4
5
6
7
8
9
lognormal (skew=0.012)

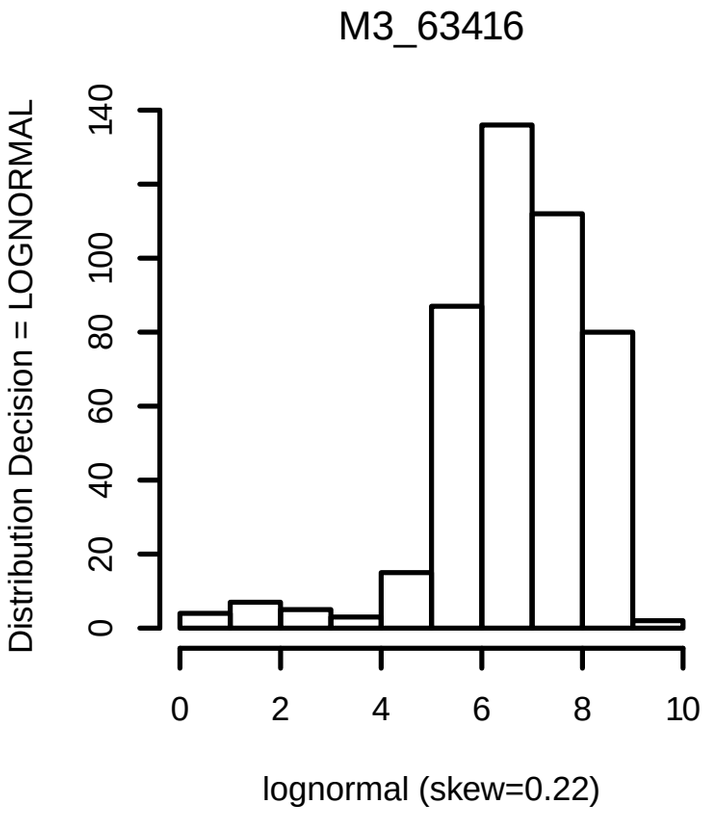

M3_26850
Distribution Decision = NORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.015)

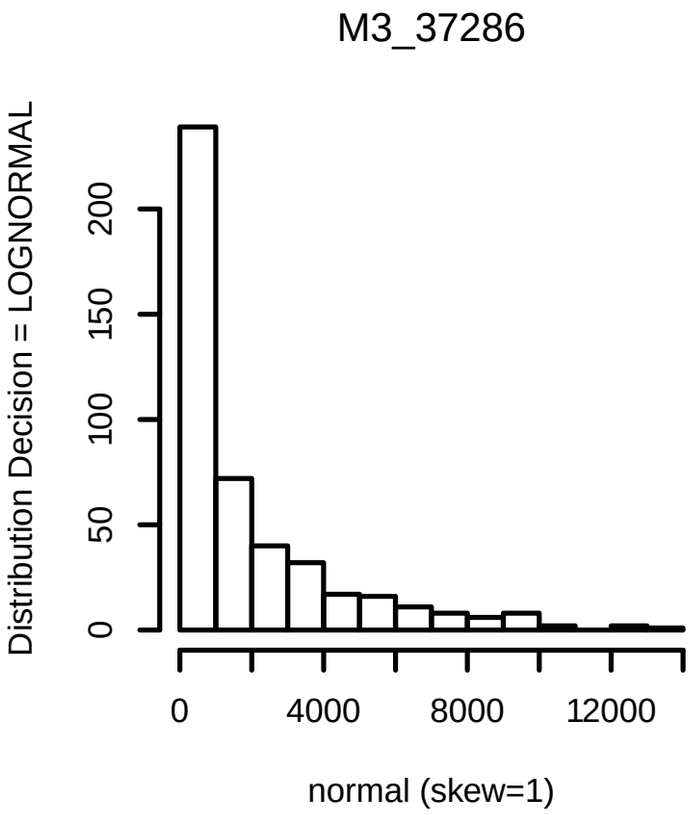

M3_26850
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.68)

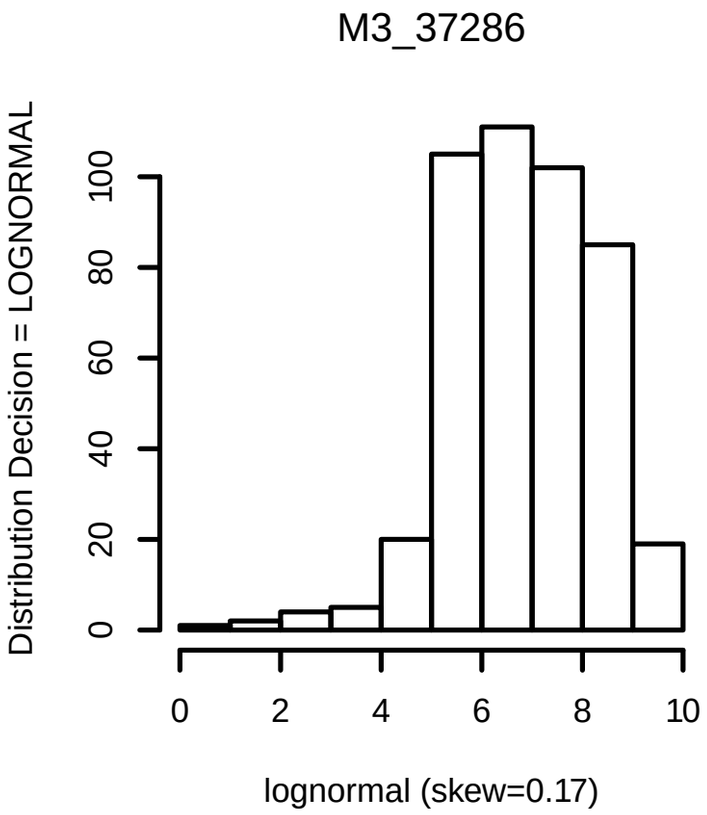

M3_10901
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
5000
15000
25000
normal (skew=1)

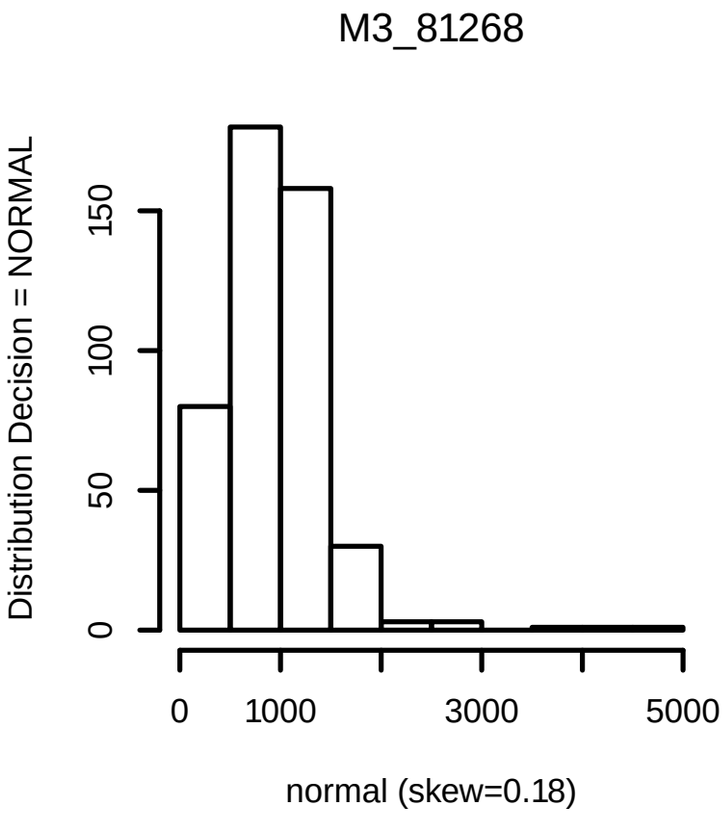

M3_10901
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.6)

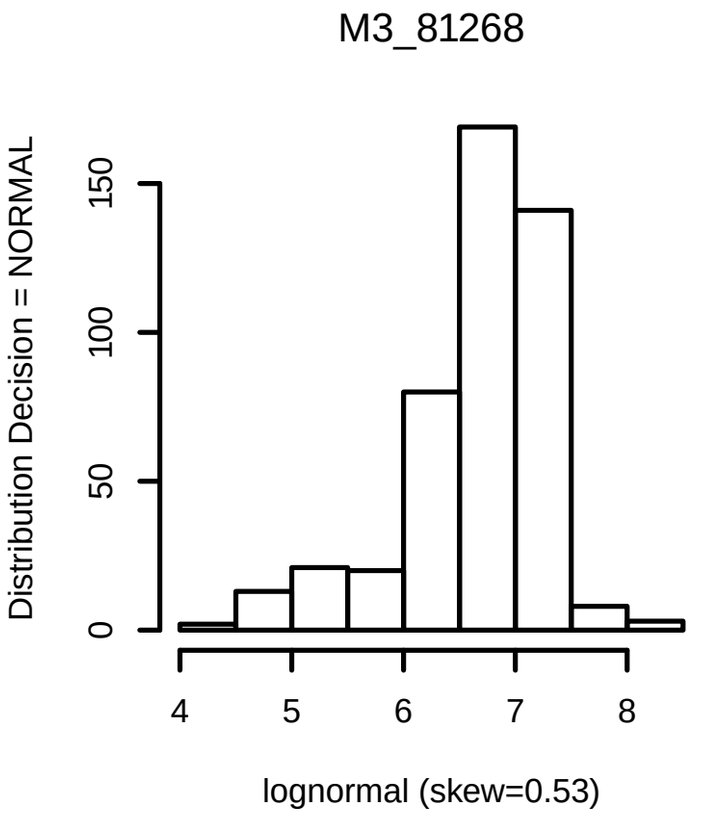

M3_63416
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2000
4000
6000
8000
normal (skew=1)

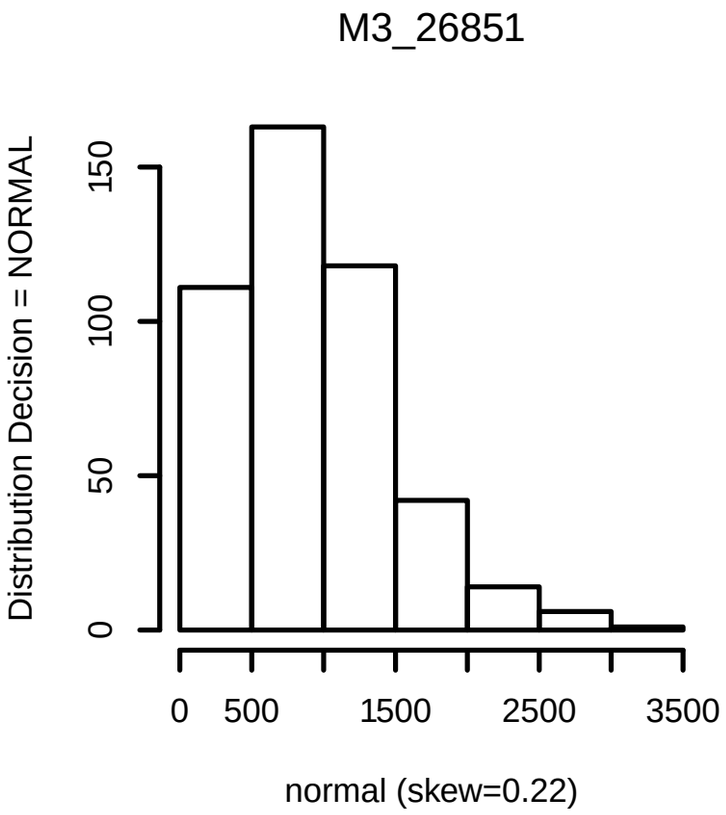

M3_63416
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
0
2
4
6
8
10
lognormal (skew=0.22)

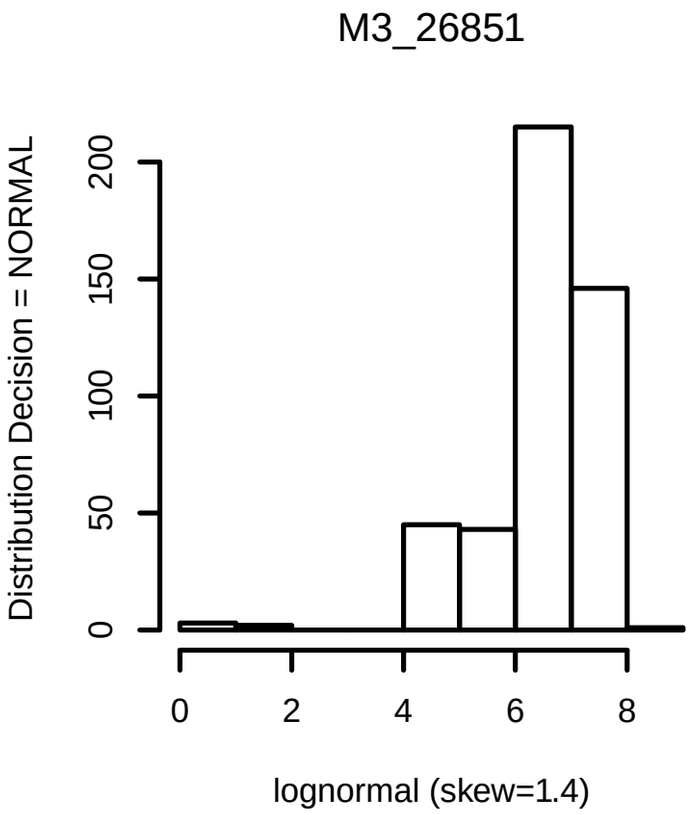

M3_37286
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
4000
8000
12000
normal (skew=1)

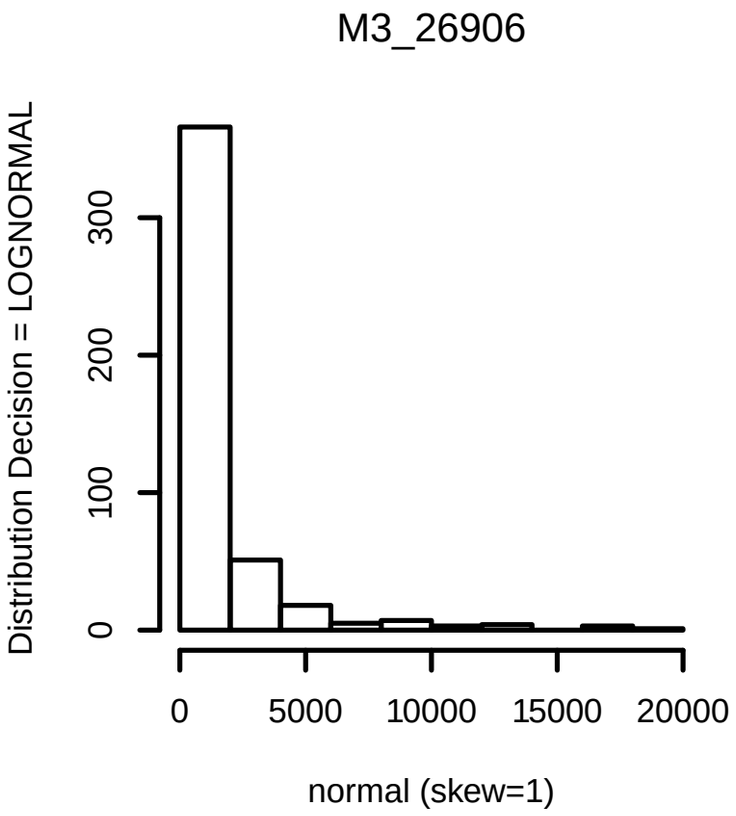

M3_37286
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2
4
6
8
10
lognormal (skew=0.17)

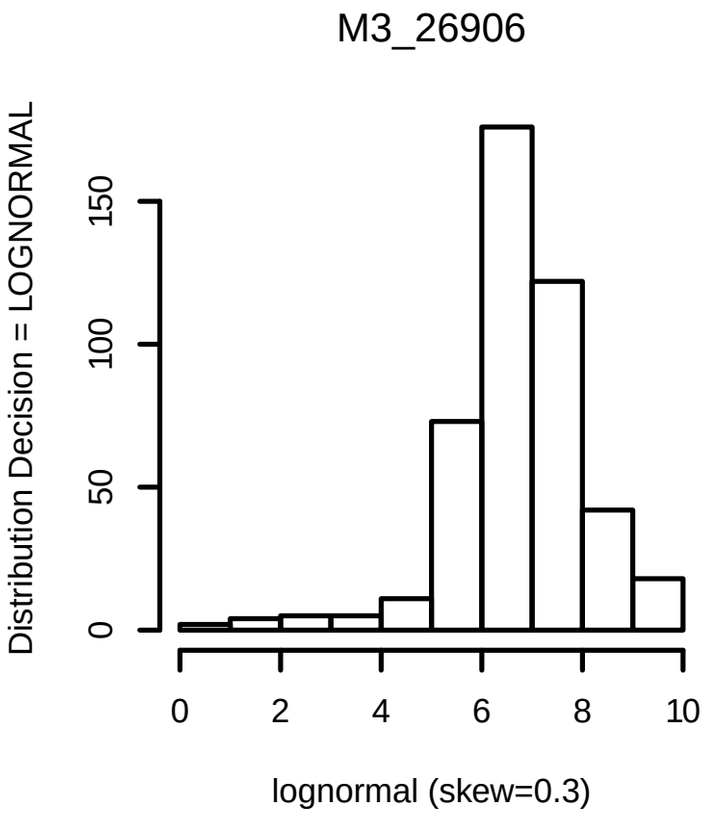

M3_81268
Distribution Decision = NORMAL
0
50
100
150
0
1000
3000
5000
normal (skew=0.18)

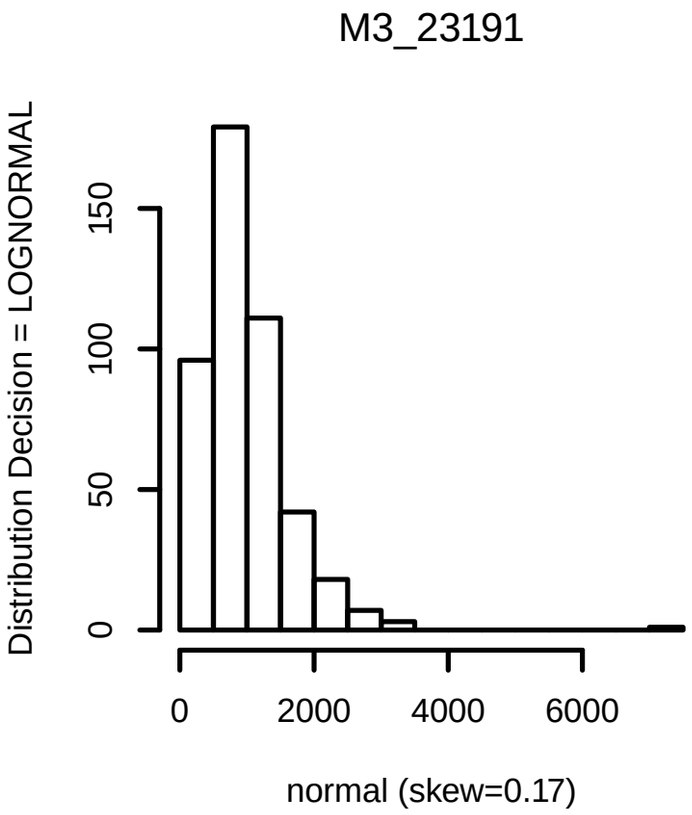

M3_81268
Distribution Decision = NORMAL
0
50
100
150
4
5
6
7
8
lognormal (skew=0.53)

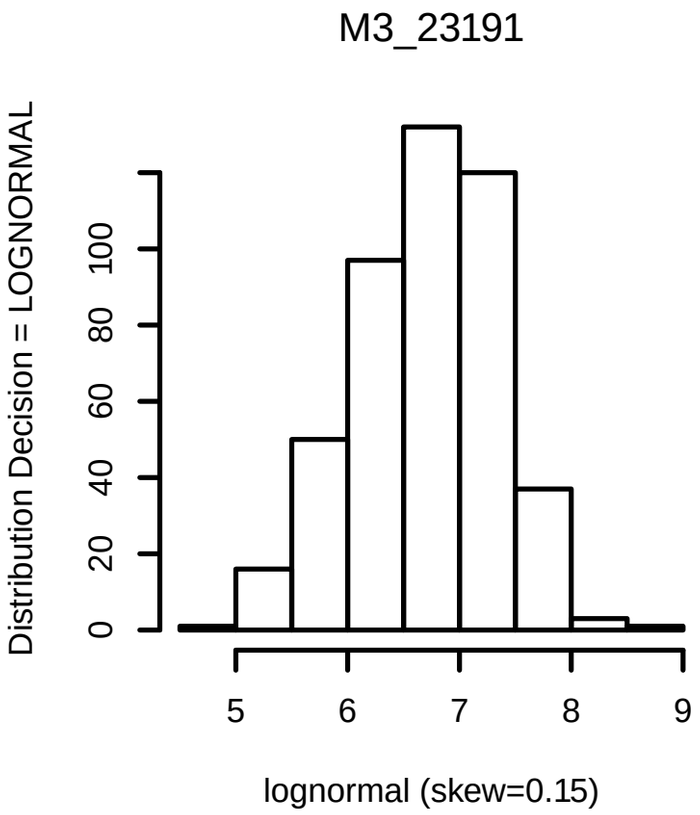

M3_26851
Distribution Decision = NORMAL
0
50
100
150
0
500
1500
2500
3500
normal (skew=0.22)

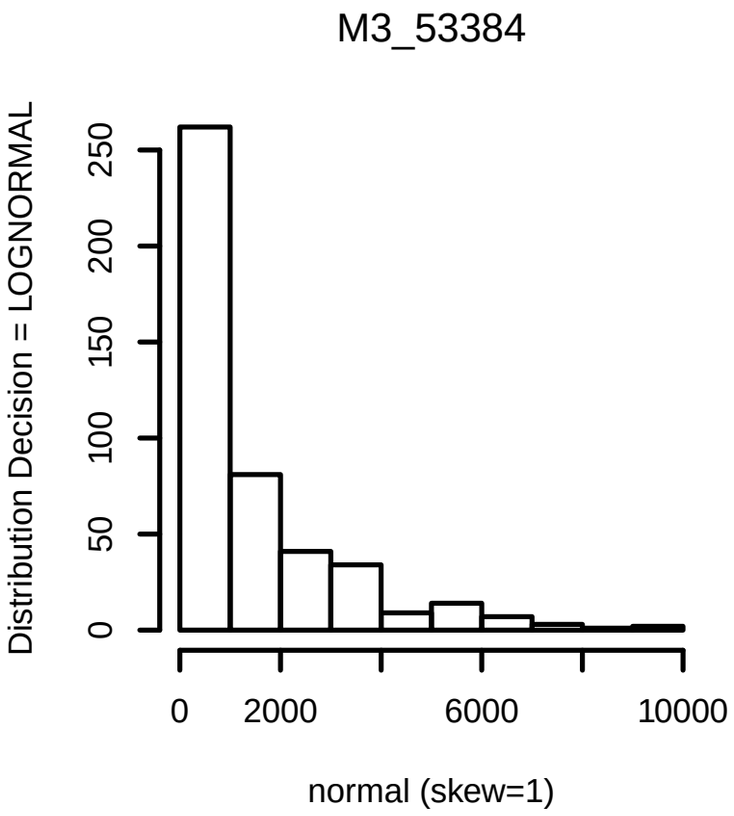

M3_26851
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=1.4)

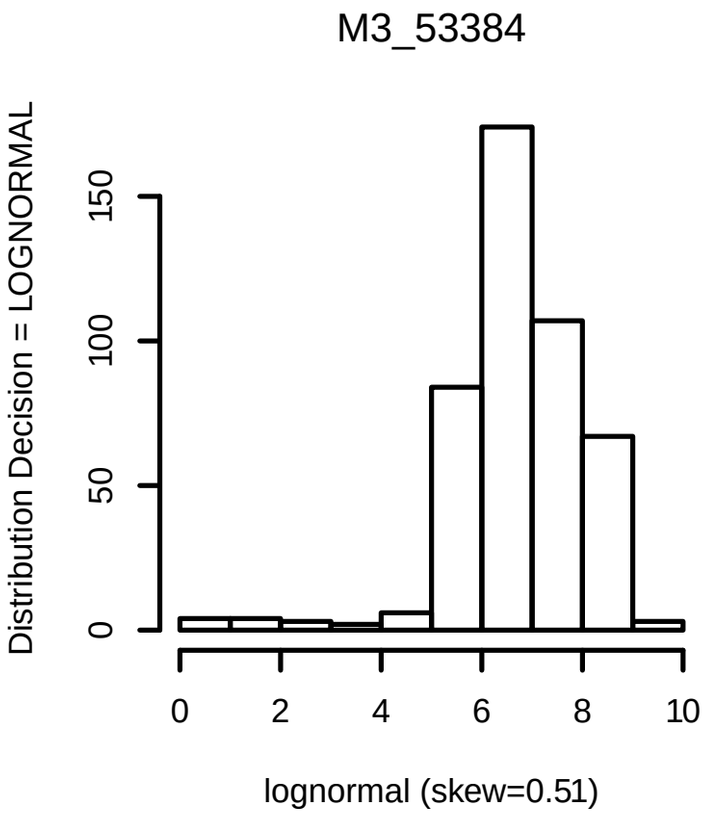

M3_26906
Distribution Decision = LOGNORMAL
0
100
200
300
0
5000
10000
15000
20000
normal (skew=1)

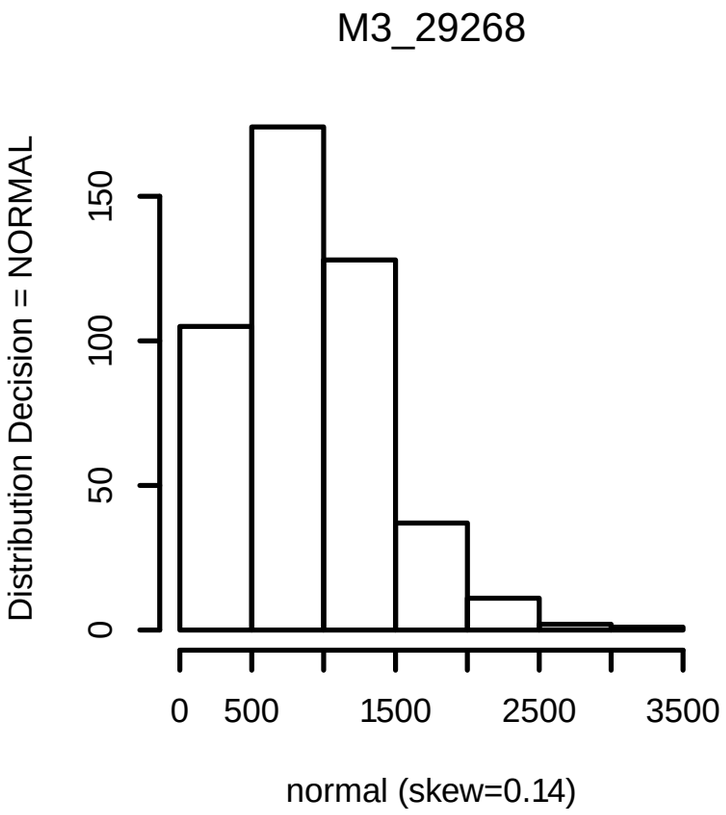

M3_26906
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.3)

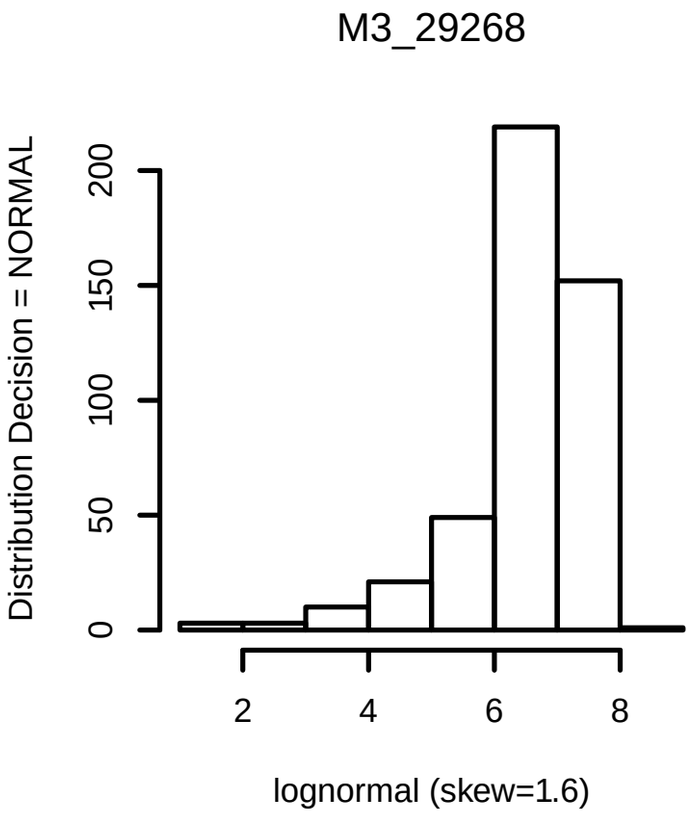

M3_23191
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
4000
6000
normal (skew=0.17)

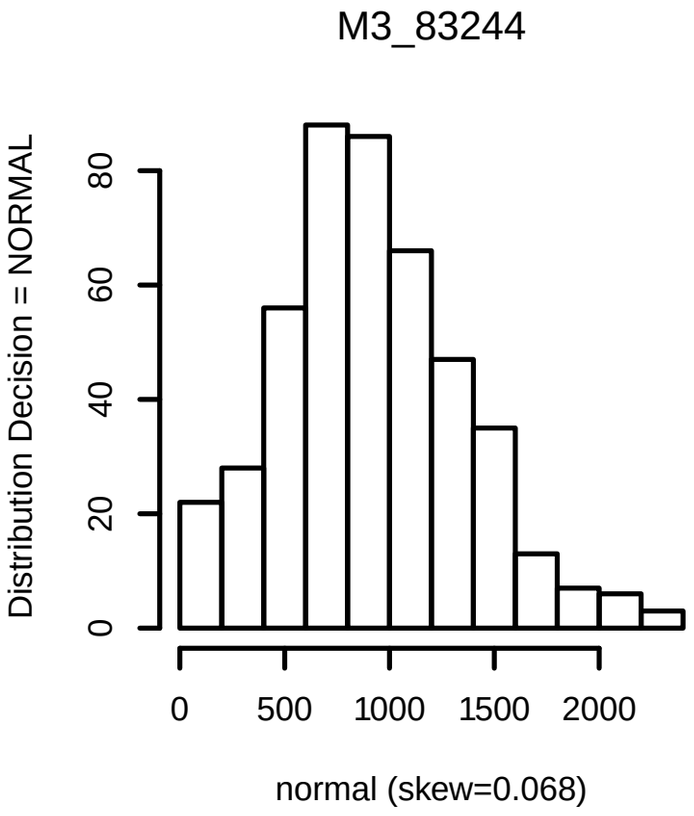

M3_23191
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
lognormal (skew=0.15)

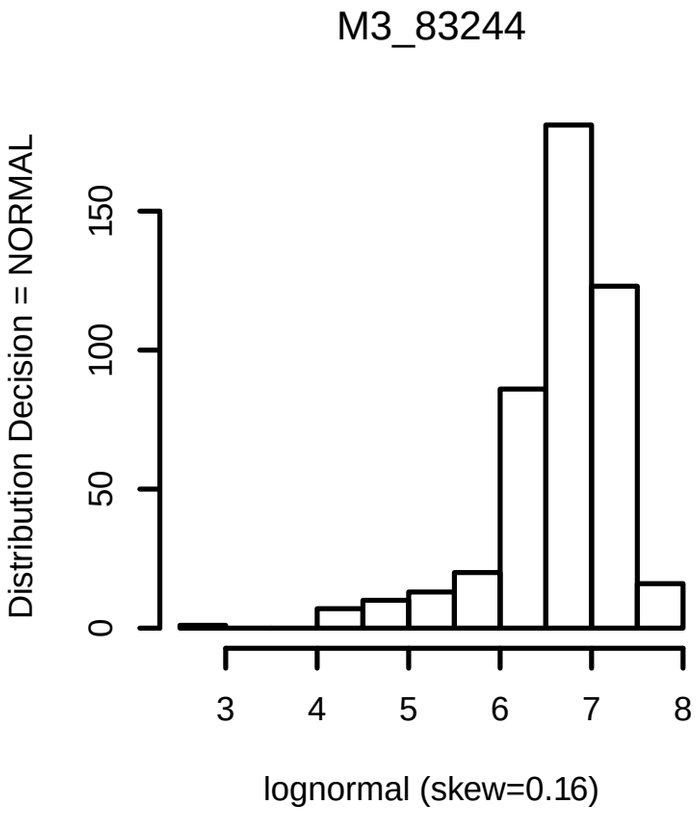

M3_53384
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2000
6000
10000
normal (skew=1)

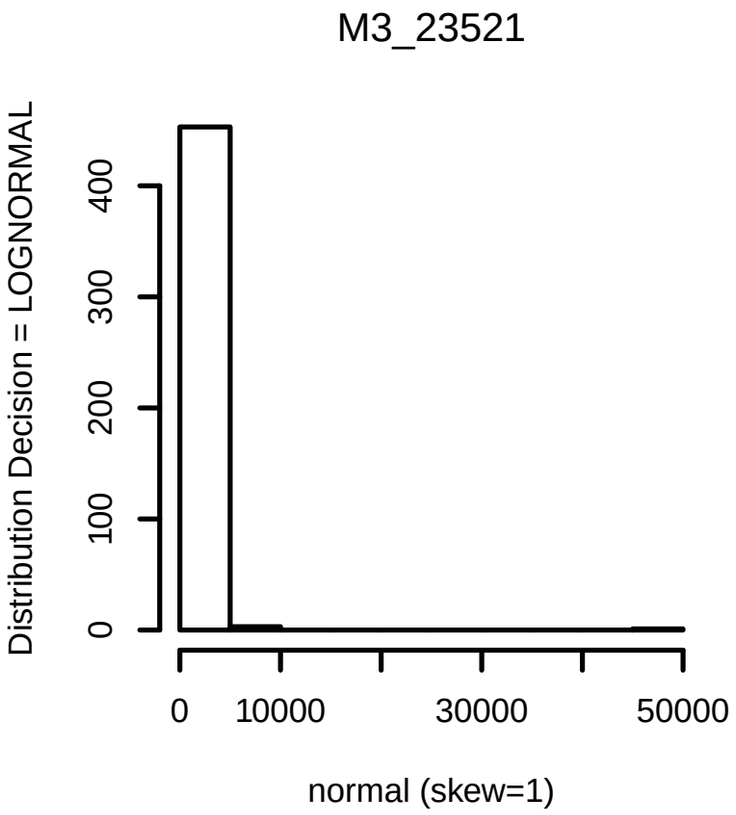

M3_53384
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.51)

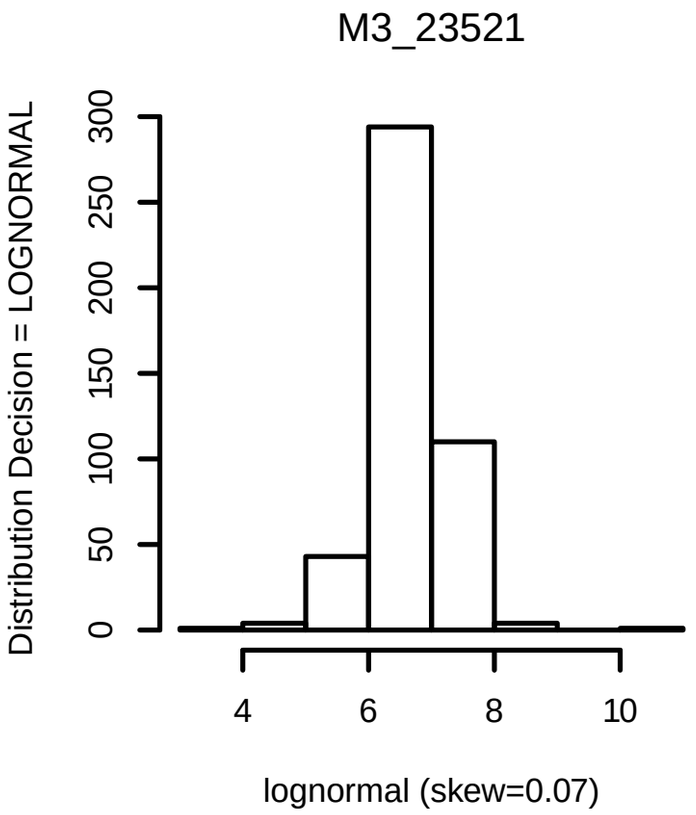

M3_29268
Distribution Decision = NORMAL
0
50
100
150
0
500
1500
2500
3500
normal (skew=0.14)

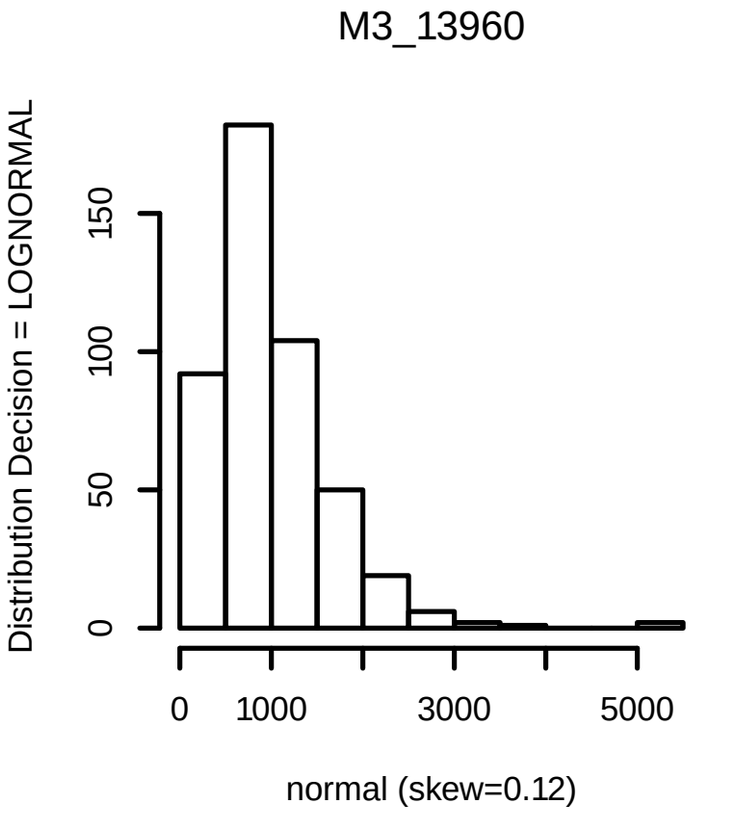

M3_29268
Distribution Decision = NORMAL
0
50
100
150
200
2
4
6
8
lognormal (skew=1.6)

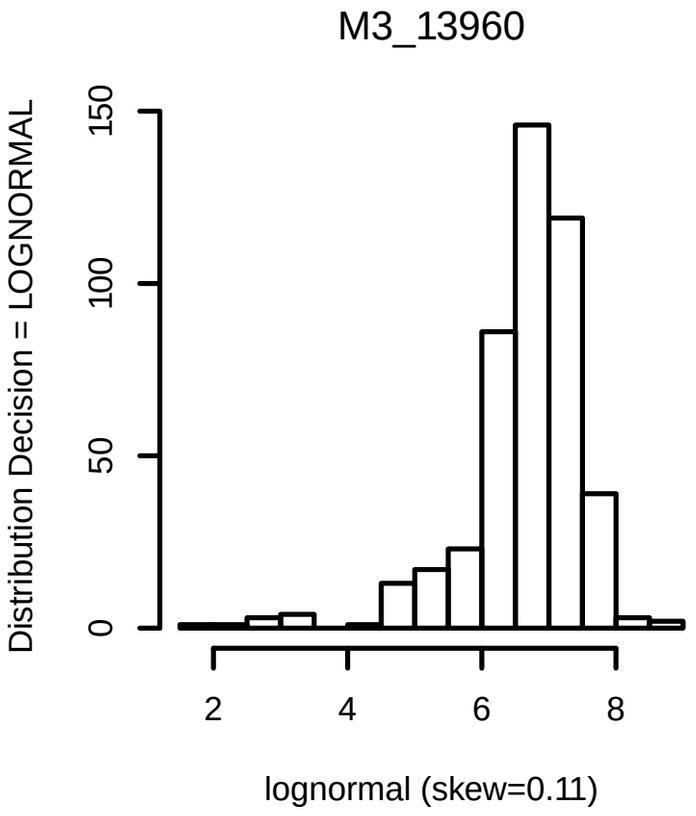

M3_83244
Distribution Decision = NORMAL
0
20
40
60
80
0
500
1000
1500
2000
normal (skew=0.068)

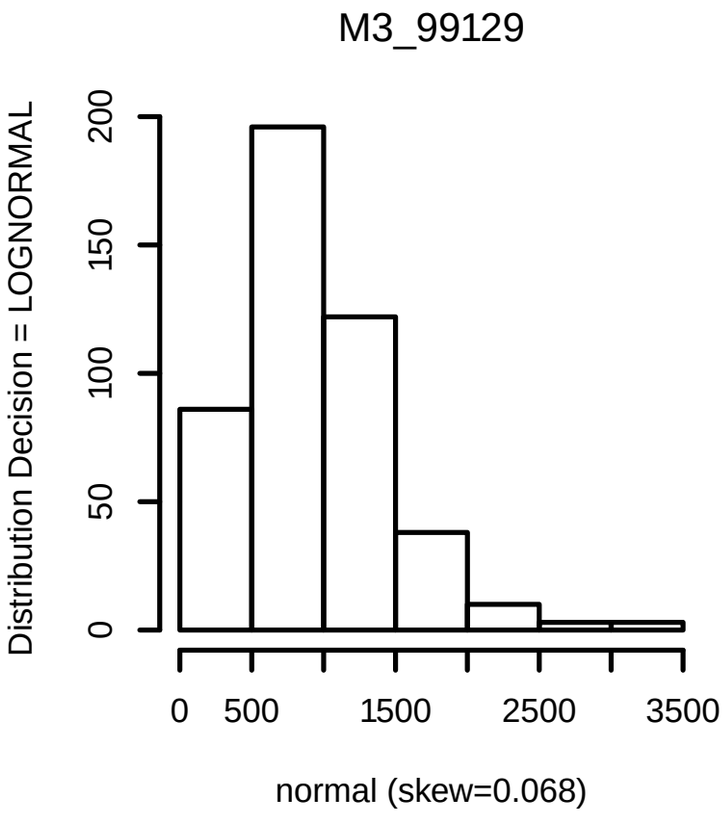

M3_83244
Distribution Decision = NORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0.16)

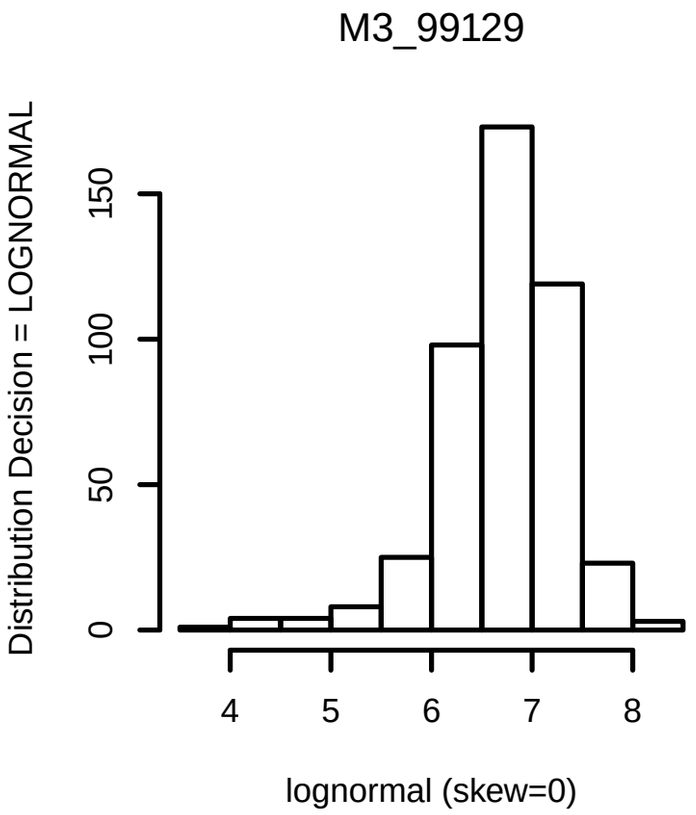

M3_23521
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
30000
50000
normal (skew=1)

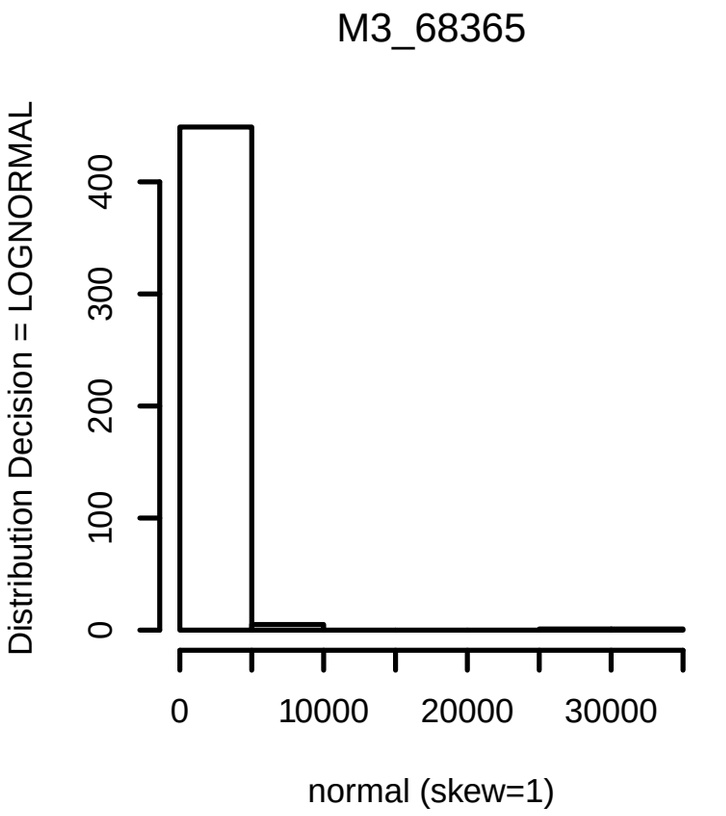

M3_23521
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
4
6
8
10
lognormal (skew=0.07)

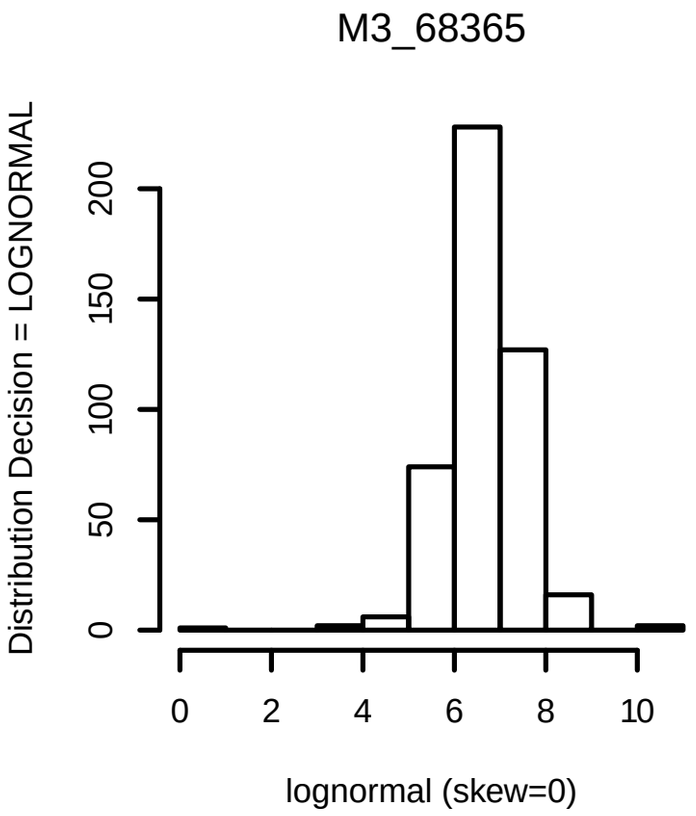

M3_13960
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
3000
5000
normal (skew=0.12)

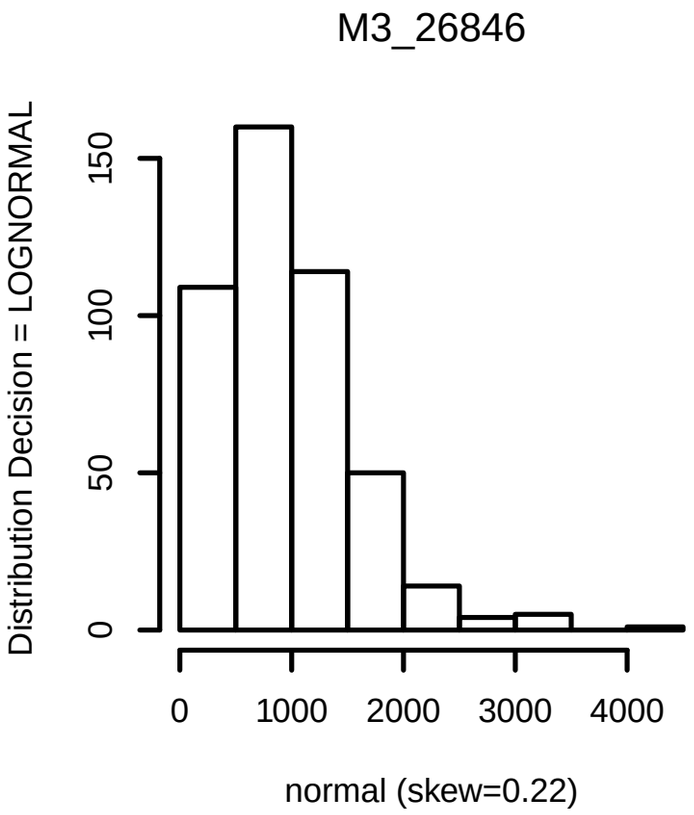

M3_13960
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
lognormal (skew=0.11)

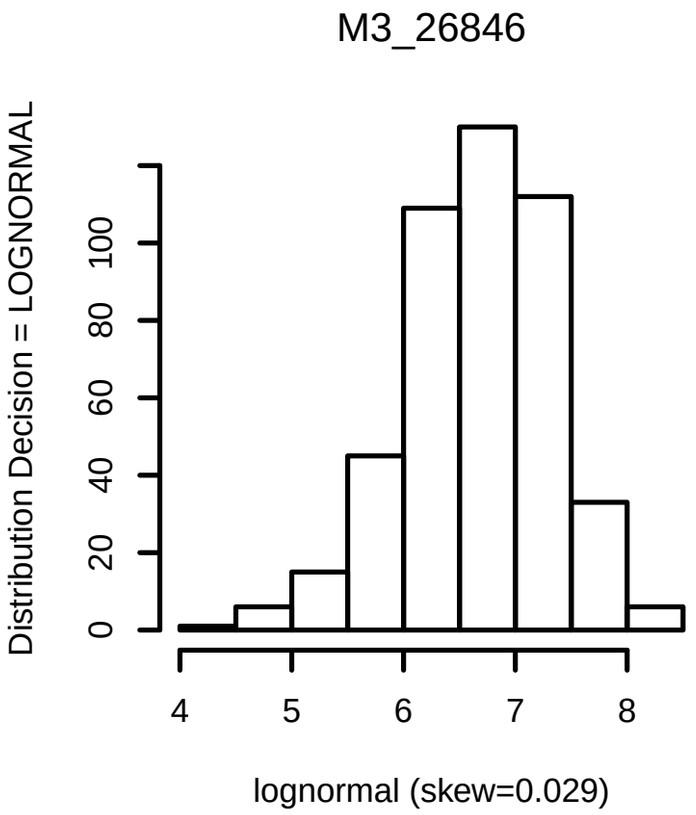

M3_99129
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.068)

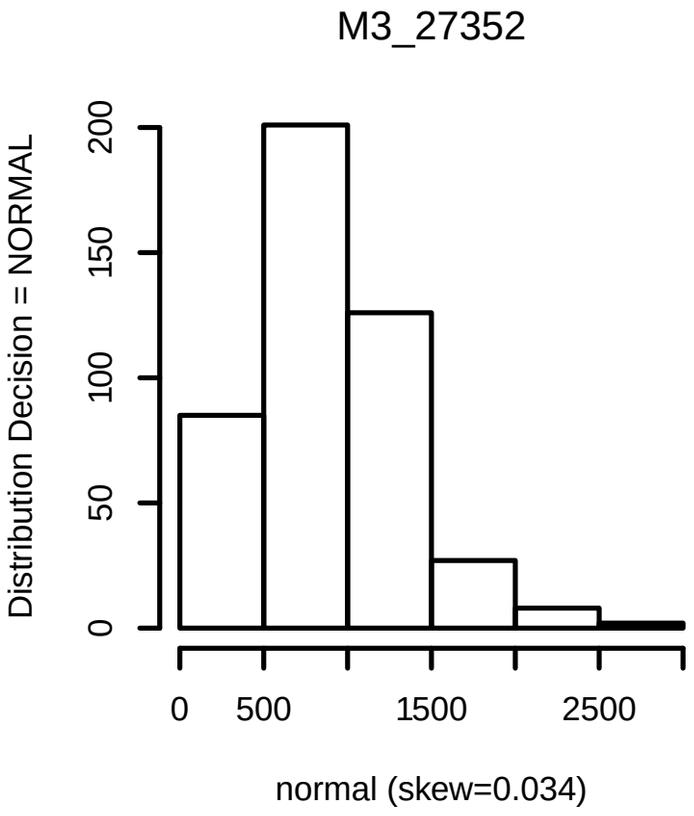

M3_99129
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
lognormal (skew=0)

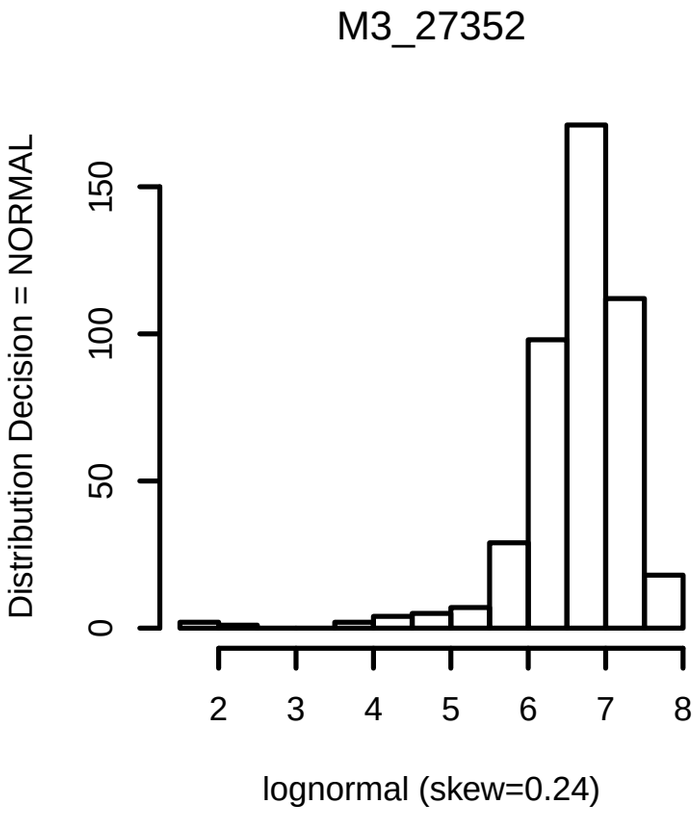

M3_68365
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
20000
30000
normal (skew=1)

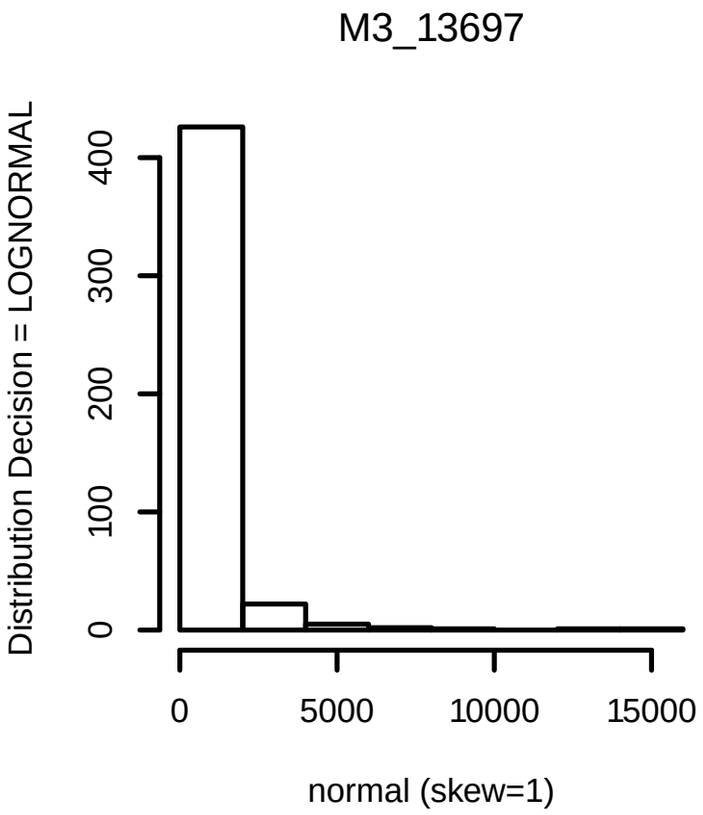

M3_68365
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=0)

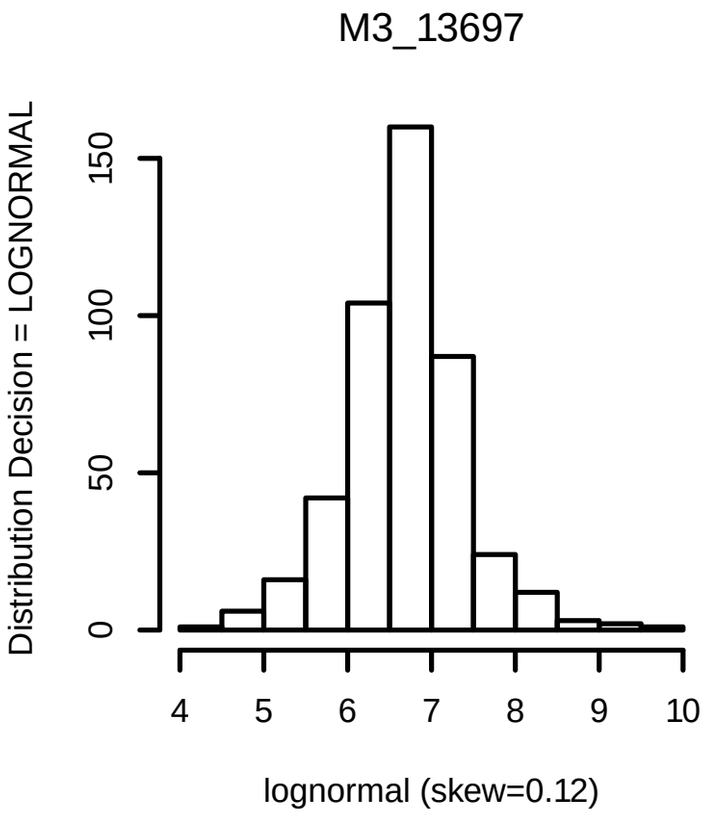

M3_26846
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.22)

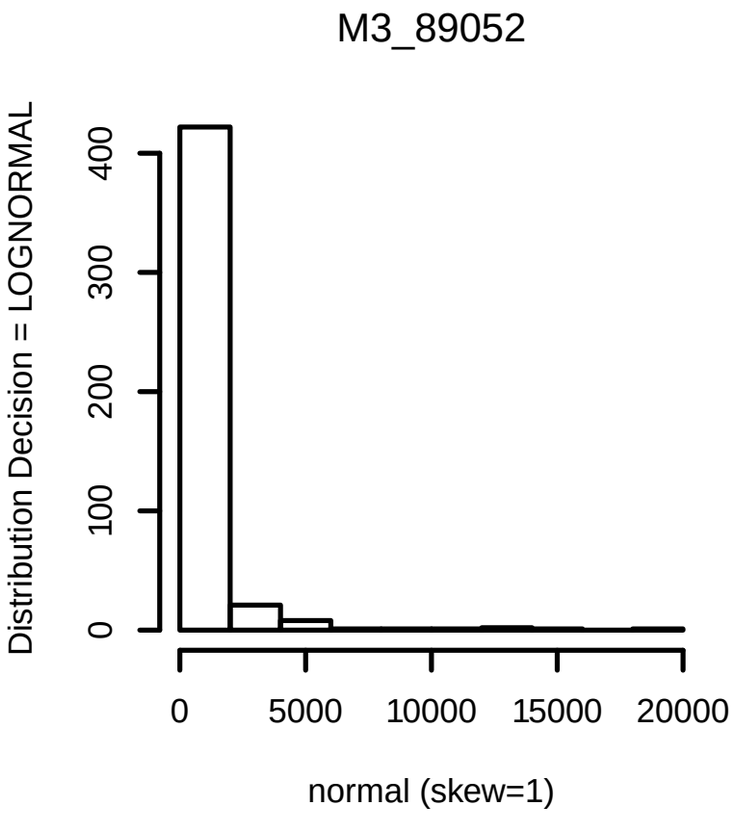

M3_26846
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
lognormal (skew=0.029)

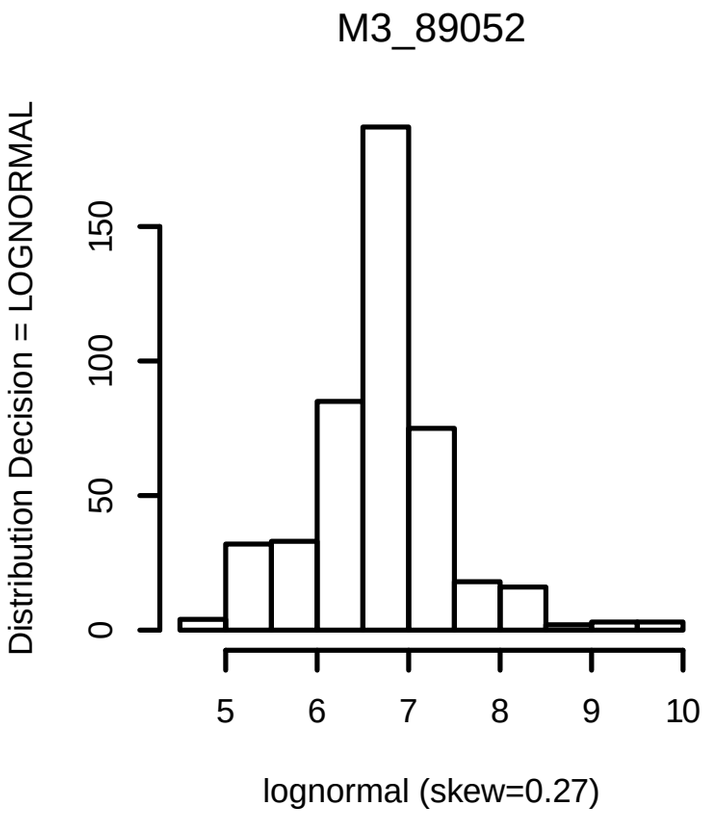

M3_27352
Distribution Decision = NORMAL
0
50
100
150
200
0
500
1500
2500
normal (skew=0.034)

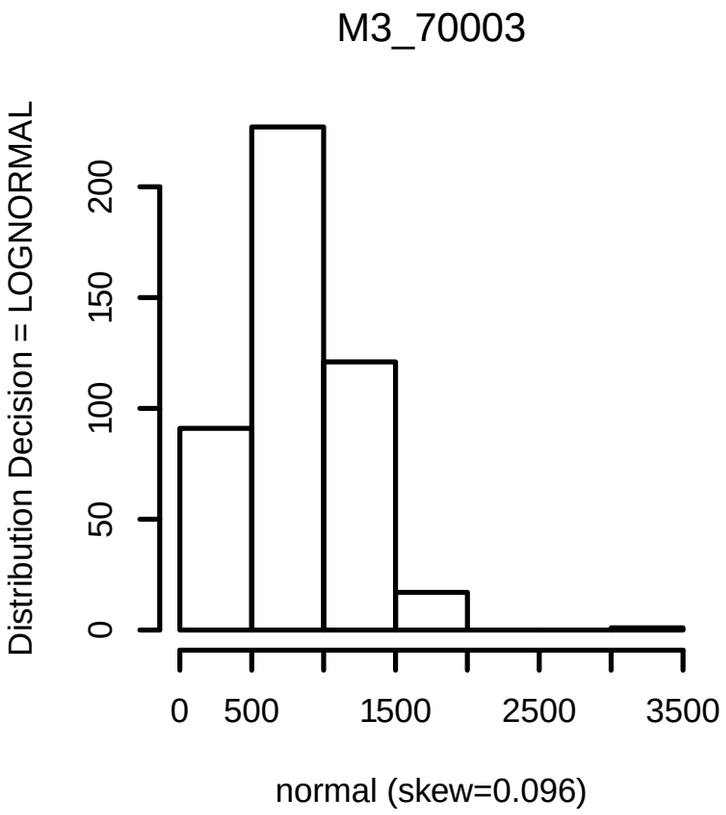

M3_27352
Distribution Decision = NORMAL
0
50
100
150
2
3
4
5
6
7
8
lognormal (skew=0.24)

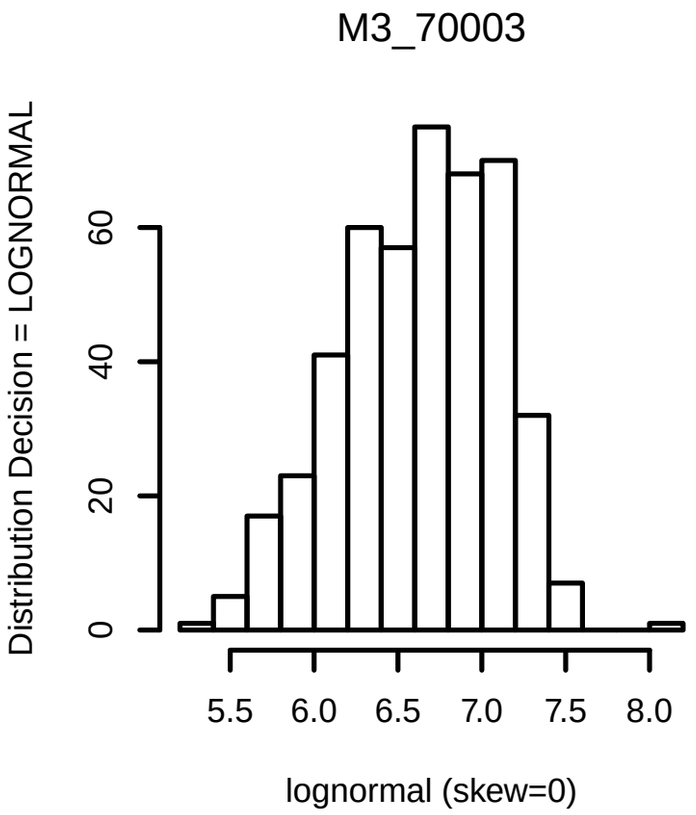

M3_13697
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
normal (skew=1)

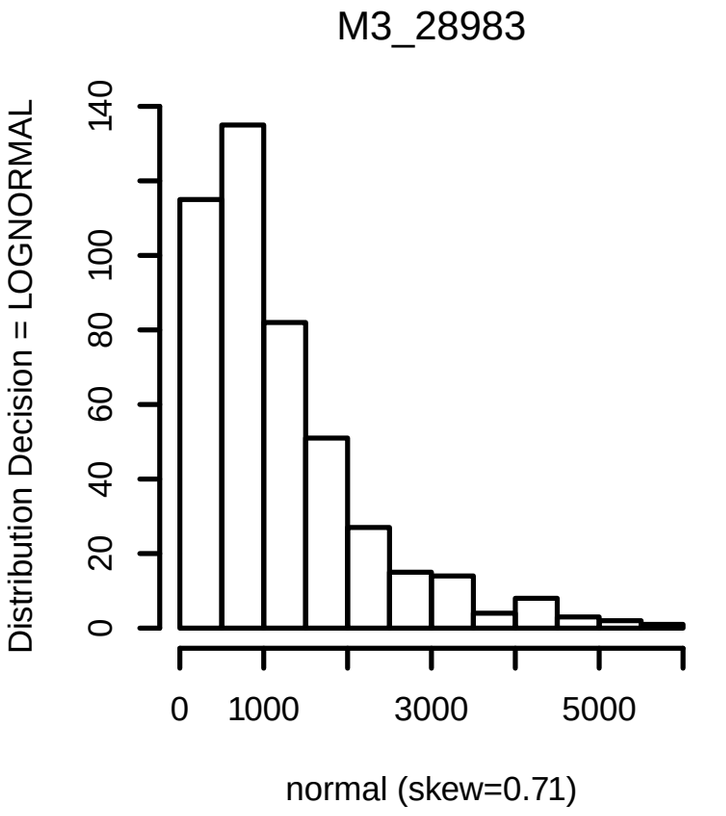

M3_13697
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
9
10
lognormal (skew=0.12)

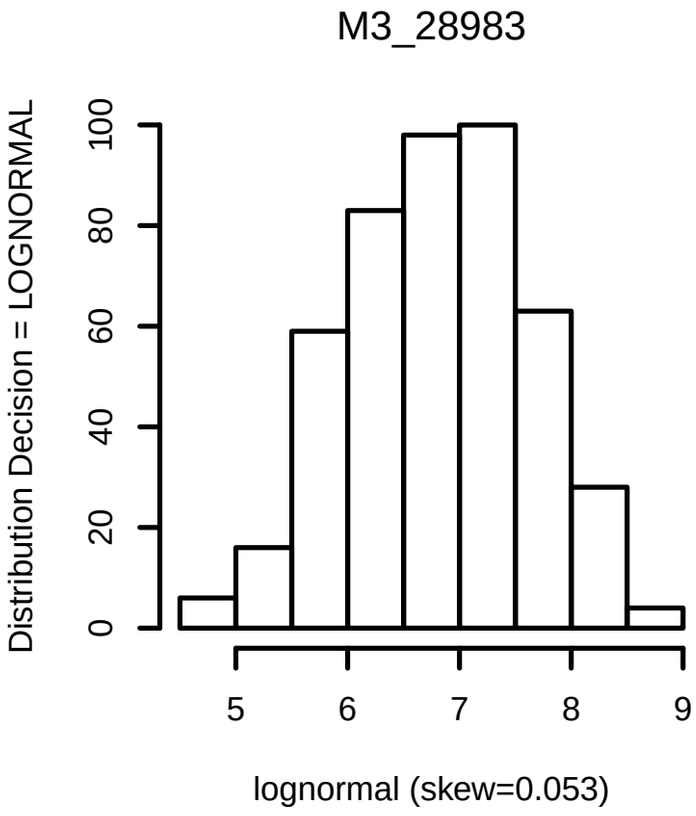

M3_89052
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
20000
normal (skew=1)

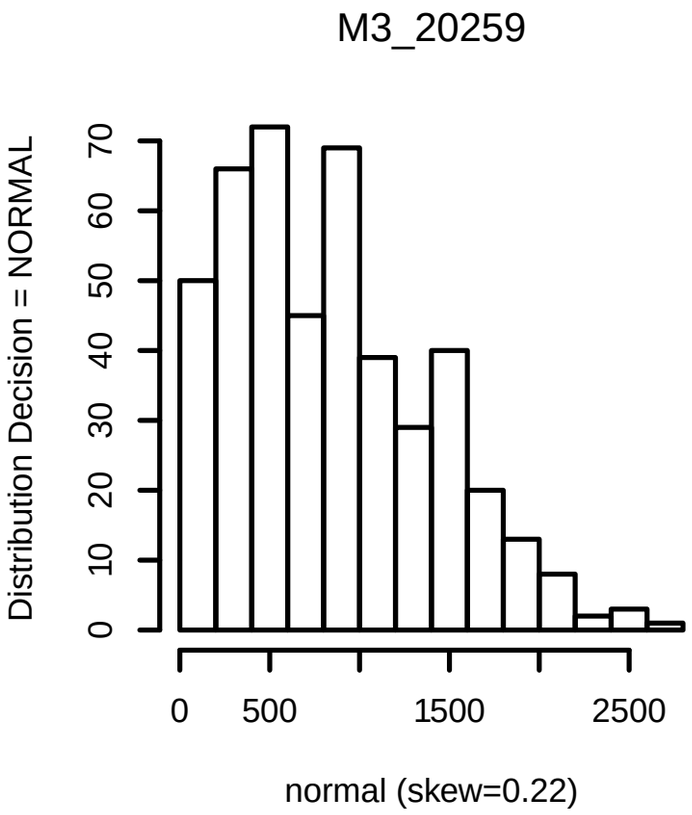

M3_89052
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
9
10
lognormal (skew=0.27)

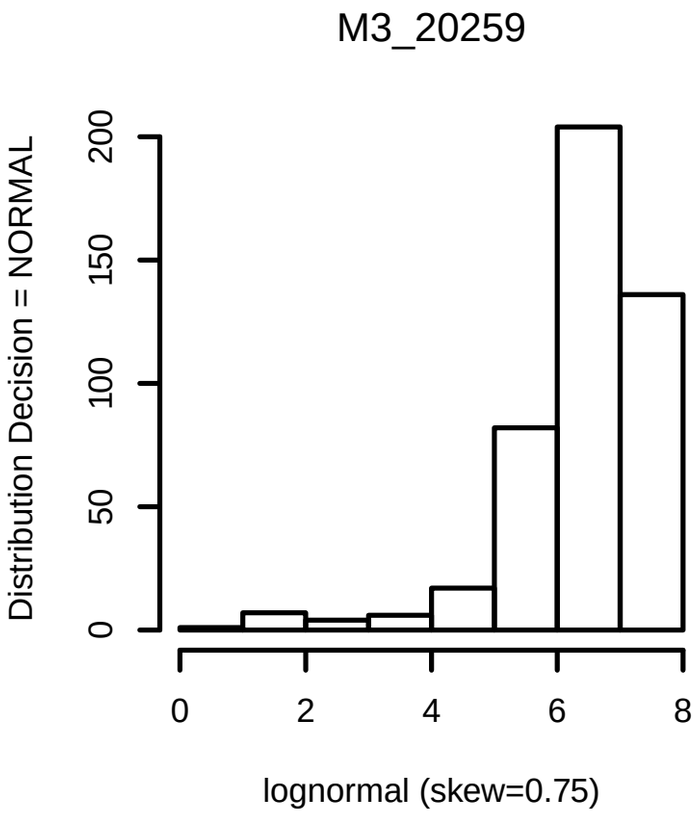

M3_70003
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.096)

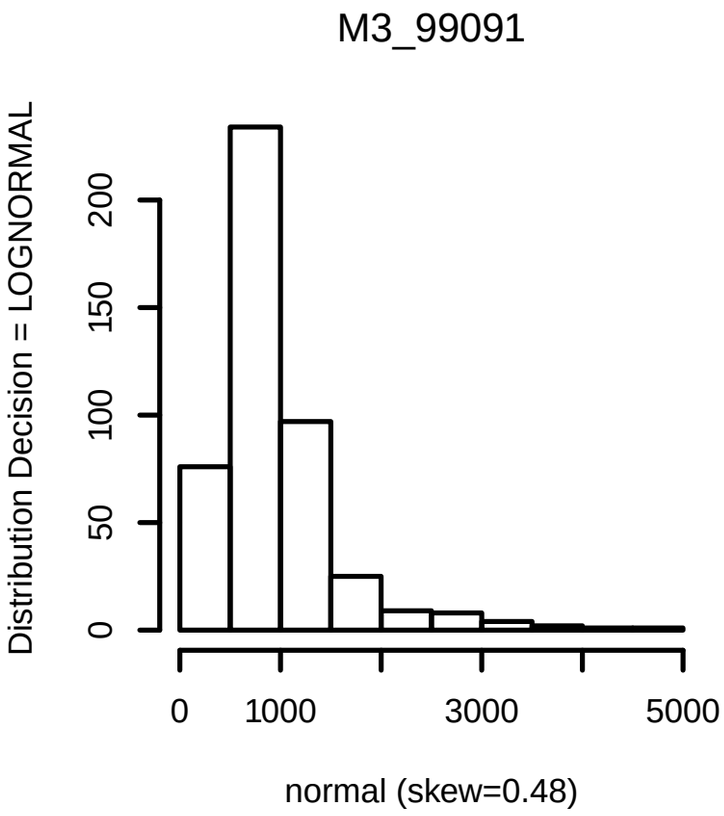

M3_70003
Distribution Decision = LOGNORMAL
0
20
40
60
5.5
6.0
6.5
7.0
7.5
8.0
lognormal (skew=0)

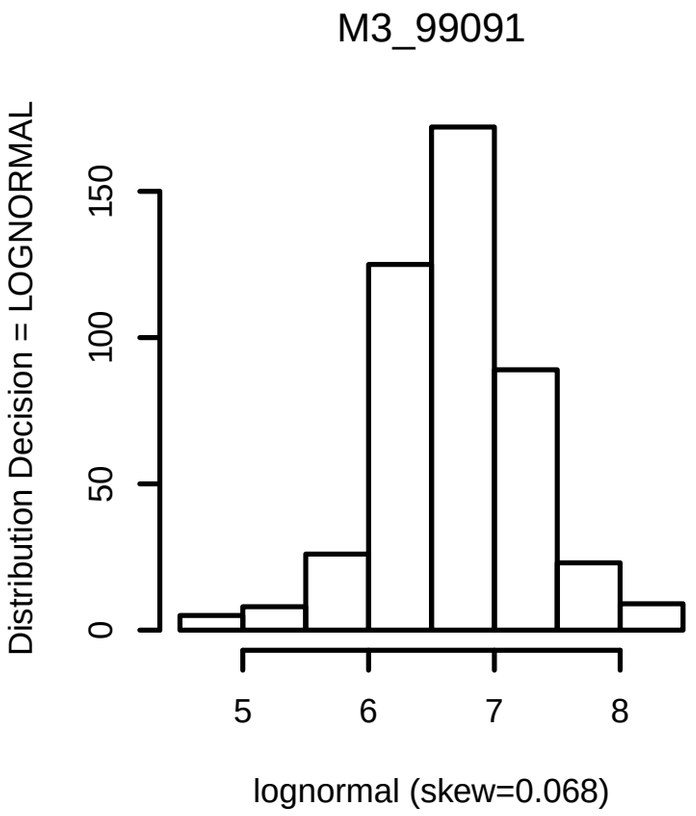

M3_28983
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
0
1000
3000
5000
normal (skew=0.71)

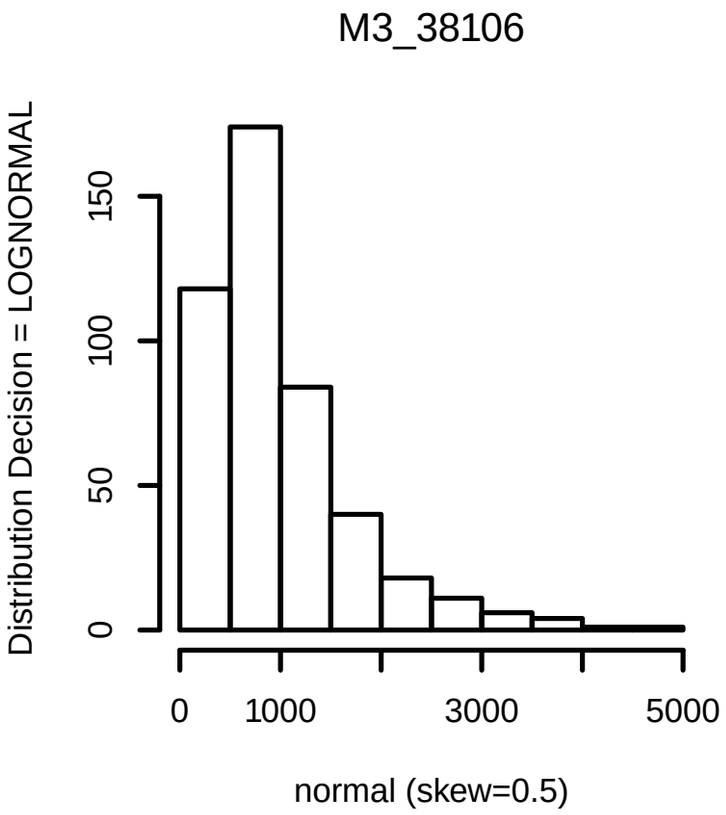

M3_28983
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
5
6
7
8
9
lognormal (skew=0.053)

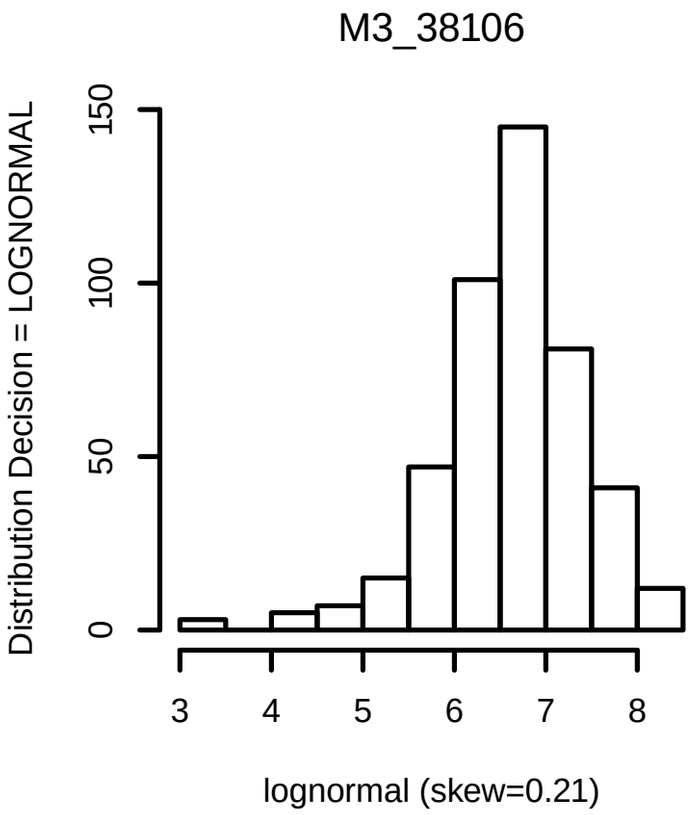

M3_20259
Distribution Decision = NORMAL
0
10
20
30
40
50
60
70
0
500
1500
2500
normal (skew=0.22)

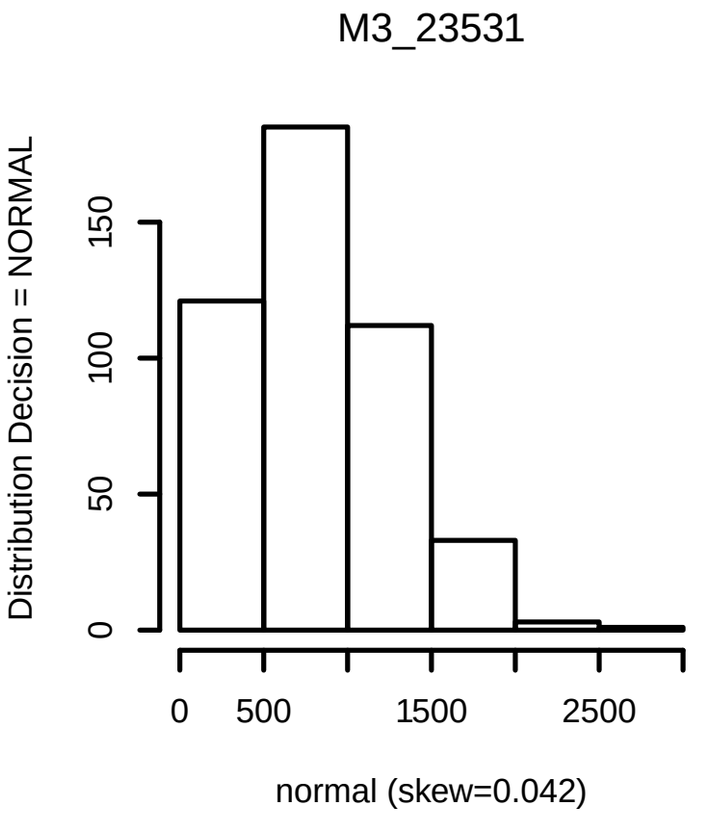

M3_20259
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.75)

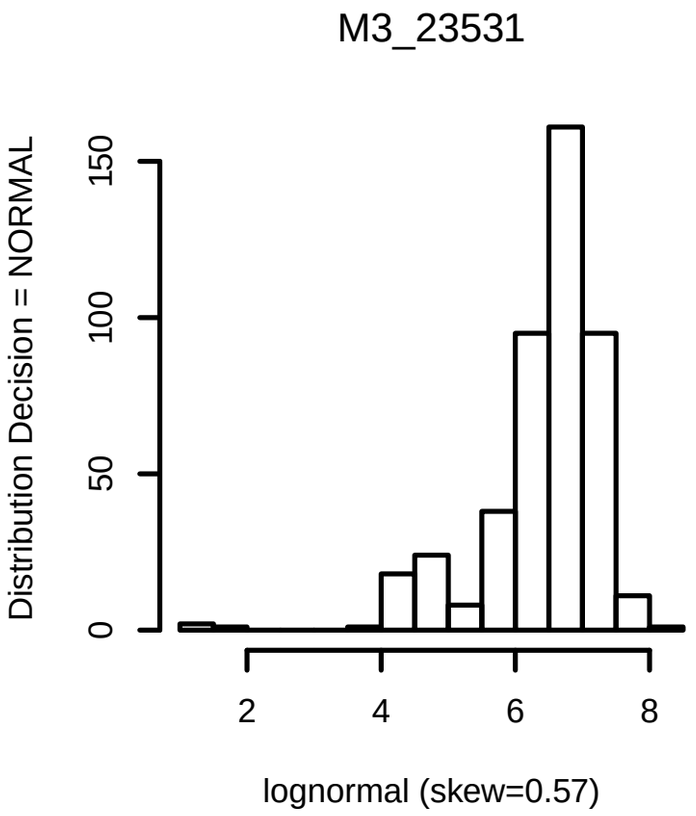

M3_99091
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
3000
5000
normal (skew=0.48)

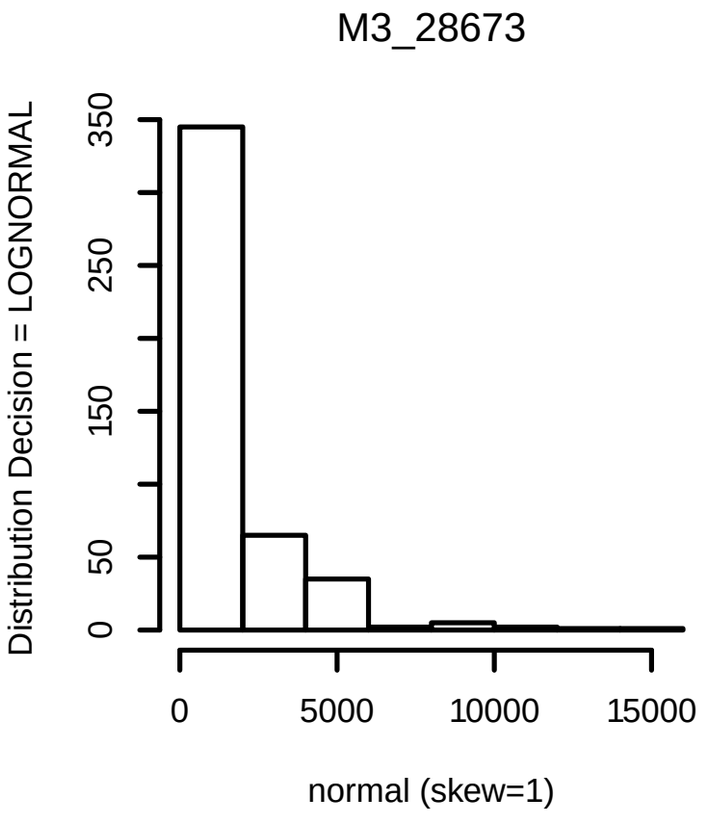

M3_99091
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
lognormal (skew=0.068)

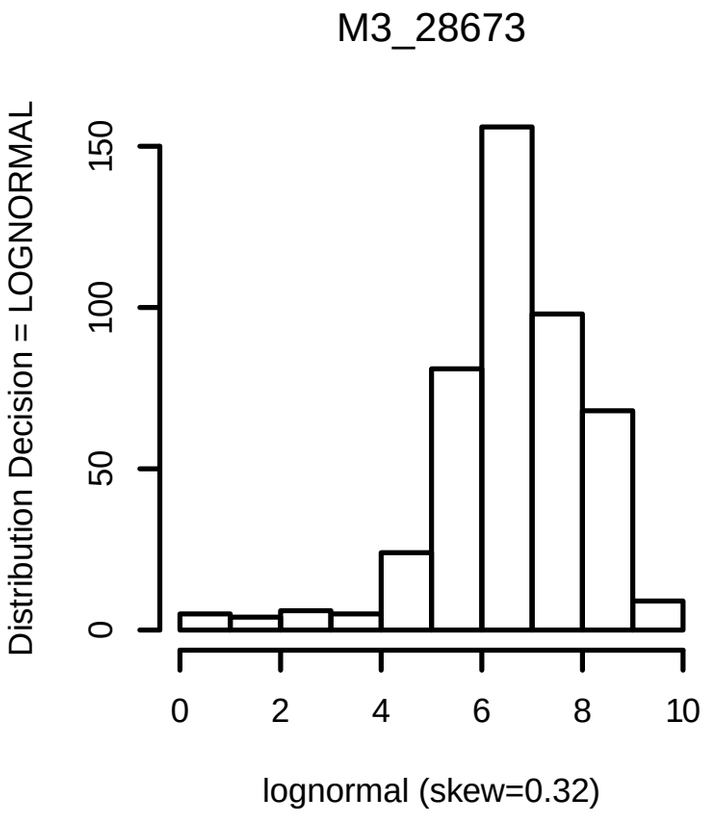

M3_38106
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
3000
5000
normal (skew=0.5)

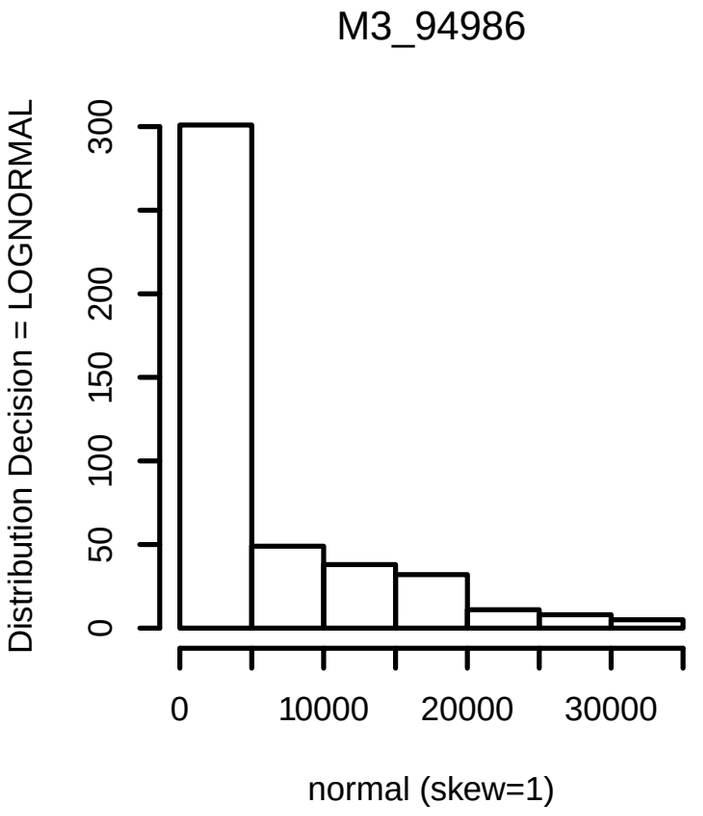

M3_38106
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0.21)

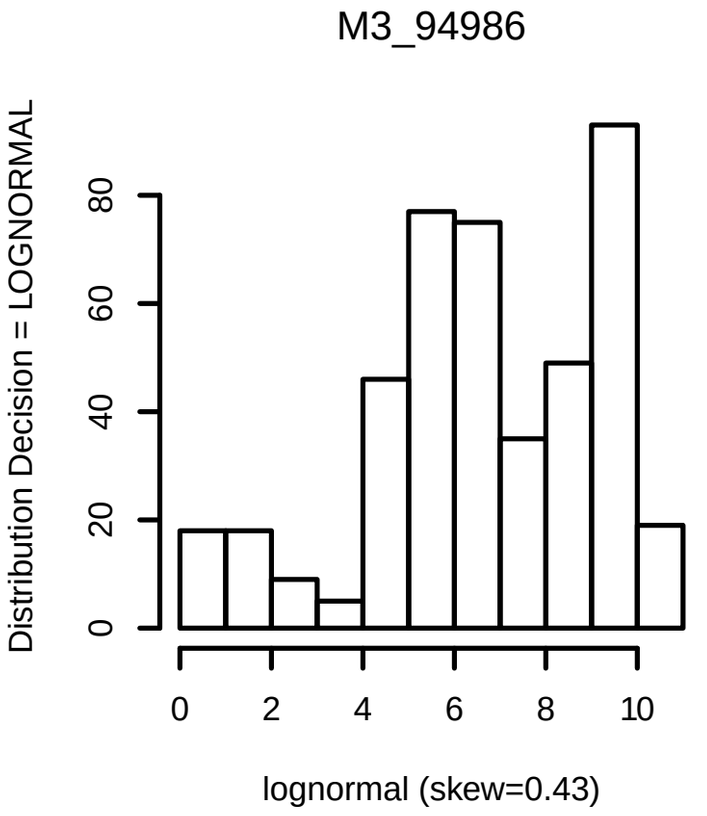

M3_23531
Distribution Decision = NORMAL
0
50
100
150
0
500
1500
2500
normal (skew=0.042)

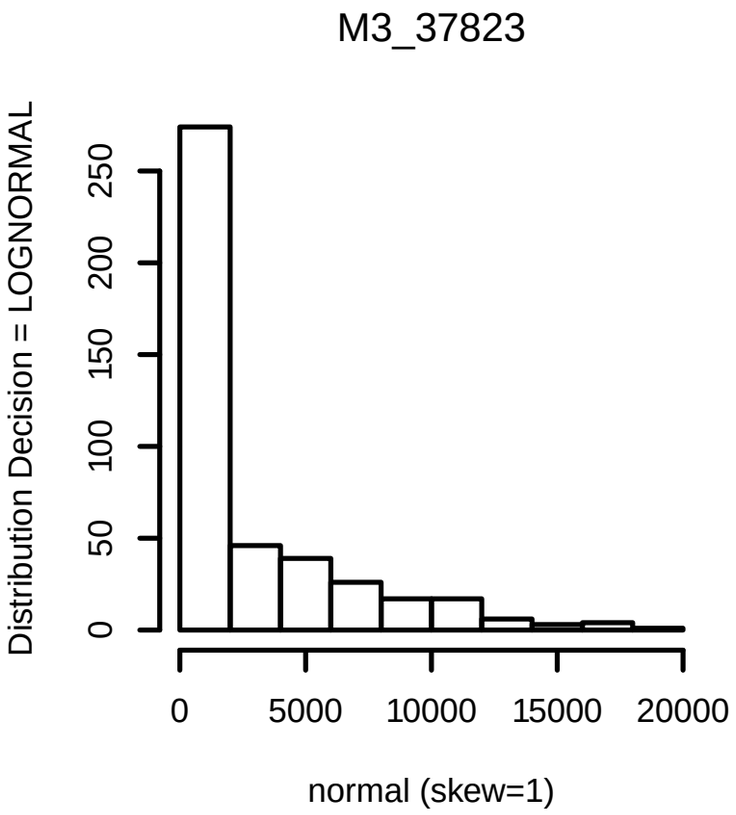

M3_23531
Distribution Decision = NORMAL
0
50
100
150
2
4
6
8
lognormal (skew=0.57)

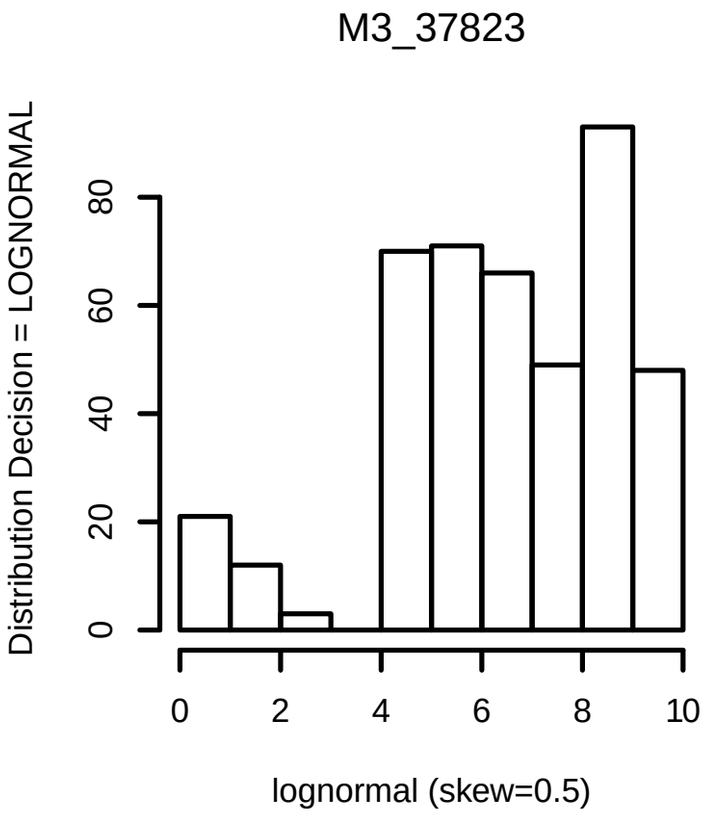

M3_28673
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
5000
10000
15000
normal (skew=1)

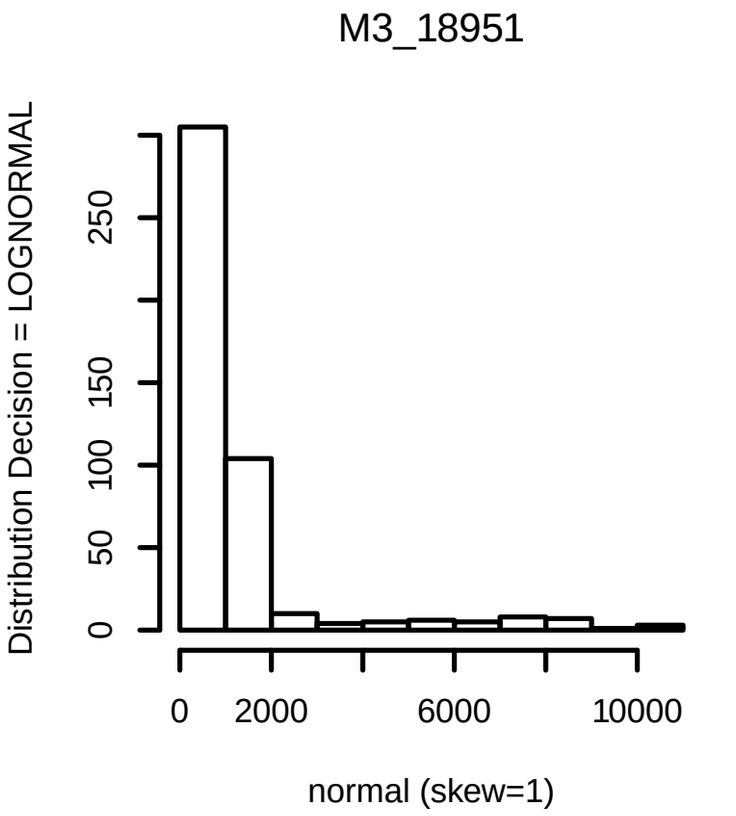

M3_28673
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.32)

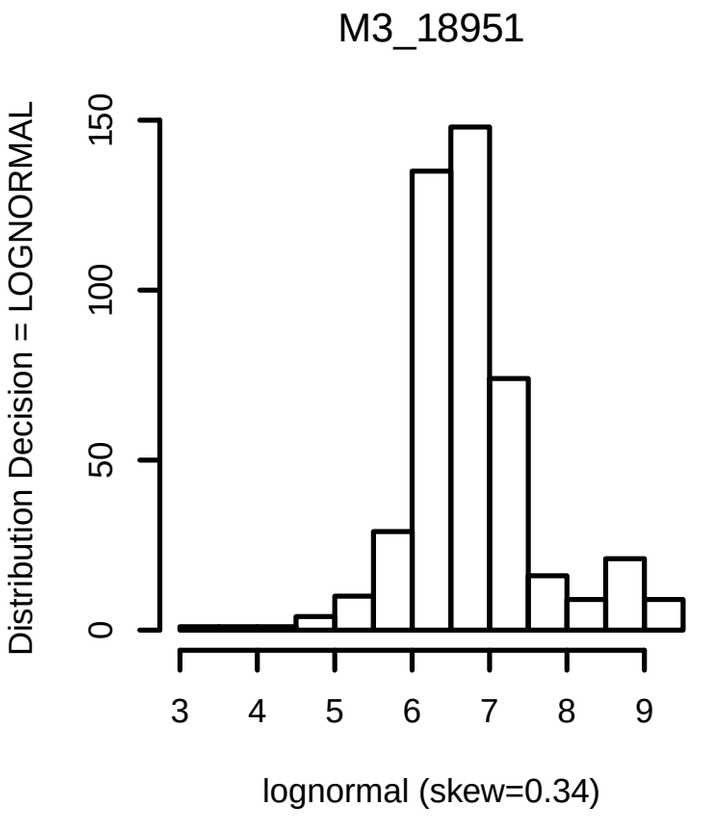

M3_94986
Distribution Decision = LOGNORMAL
0
50
100
150
200
300
0
10000
20000
30000
normal (skew=1)

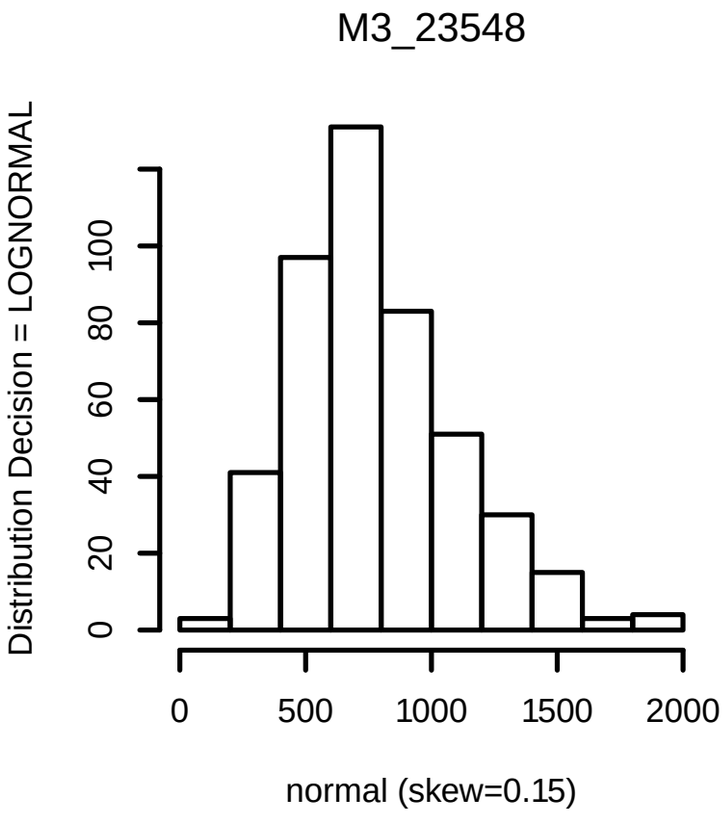

M3_94986
Distribution Decision = LOGNORMAL
0
20
40
60
80
0
2
4
6
8
10
lognormal (skew=0.43)

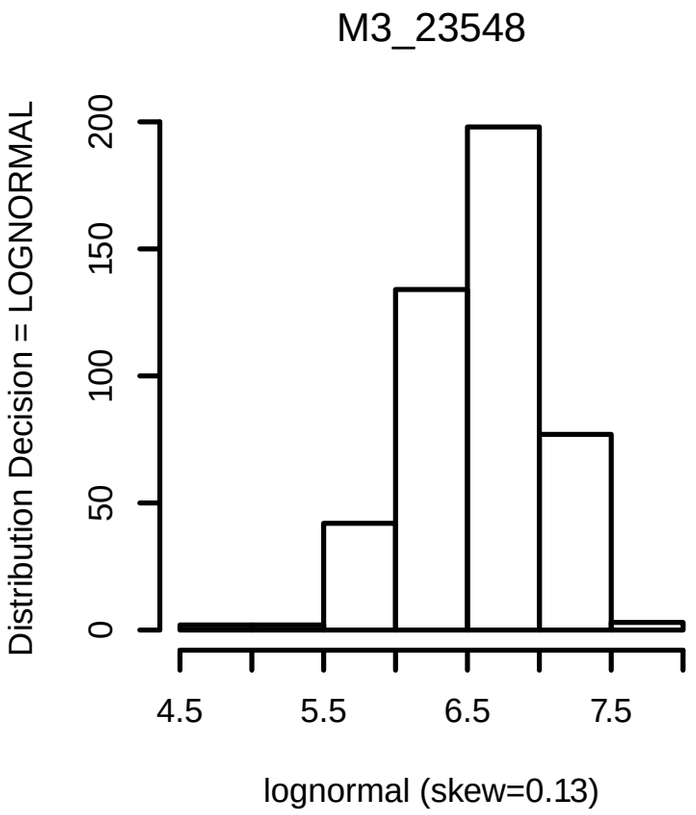

M3_37823
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
10000
15000
20000
normal (skew=1)

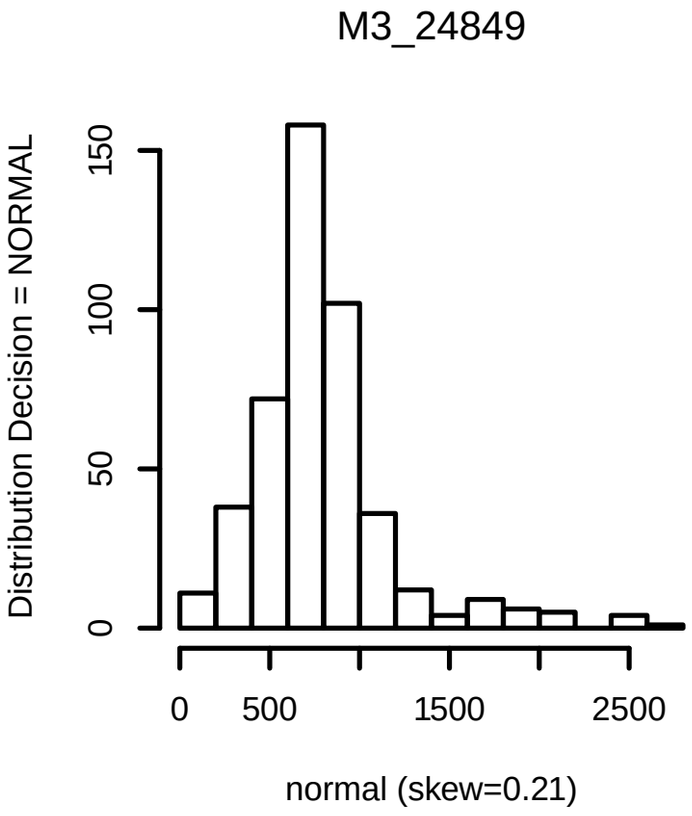

M3_37823
Distribution Decision = LOGNORMAL
0
20
40
60
80
0
2
4
6
8
10
lognormal (skew=0.5)

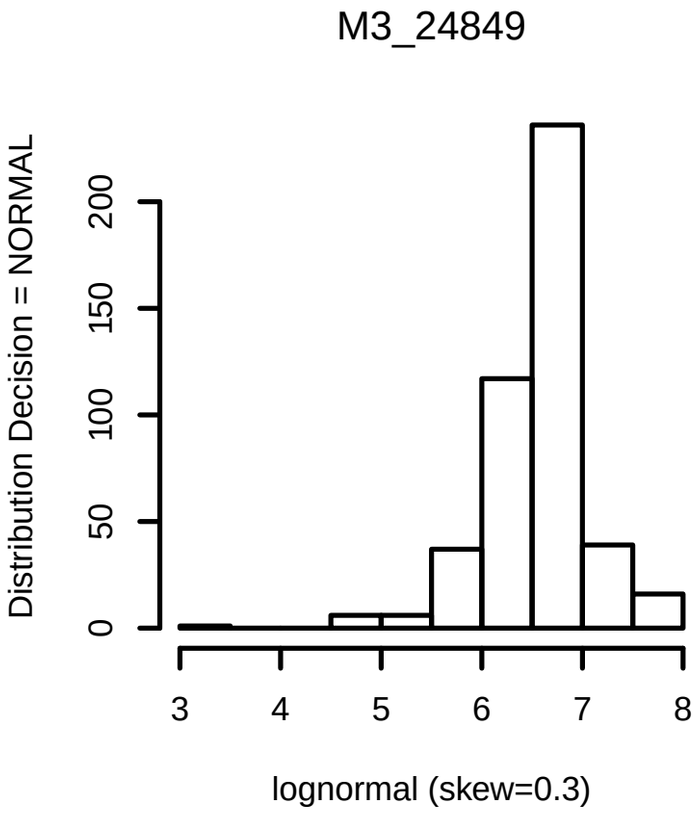

M3_18951
Distribution Decision = LOGNORMAL
0
50
100
150
250
0
2000
6000
10000
normal (skew=1)

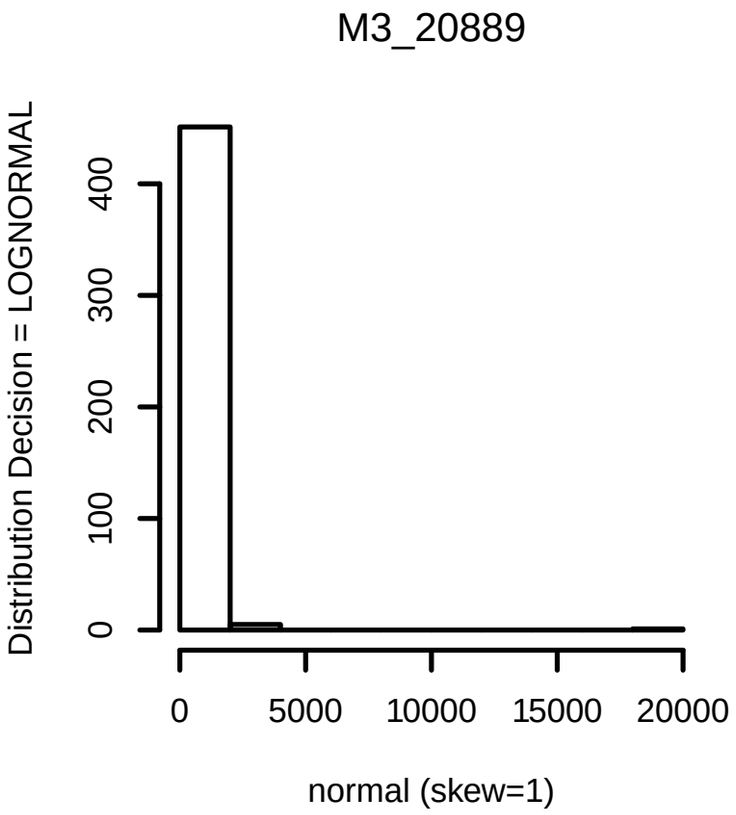

M3_18951
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
9
lognormal (skew=0.34)

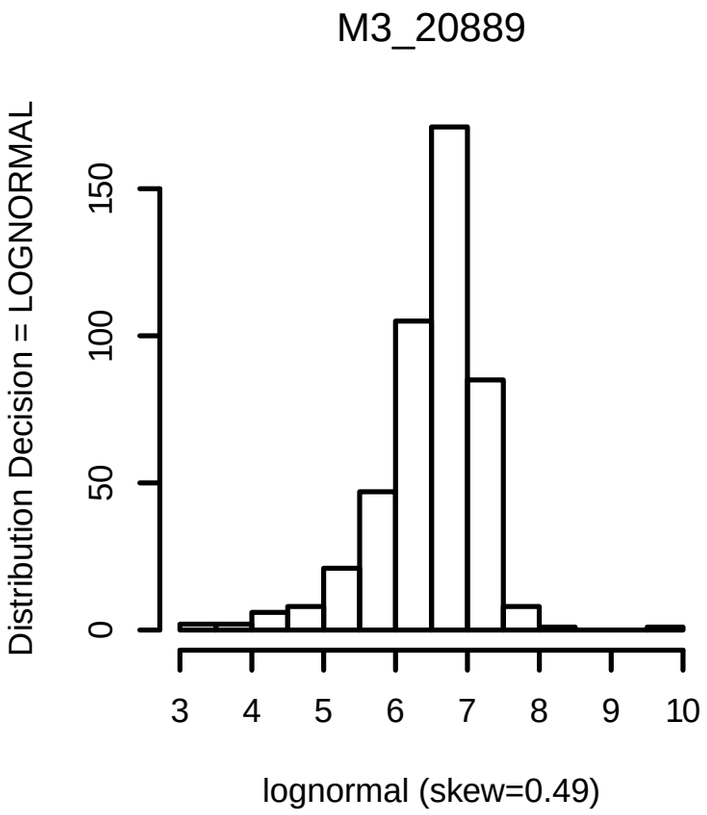

M3_23548
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
500
1000
1500
2000
normal (skew=0.15)

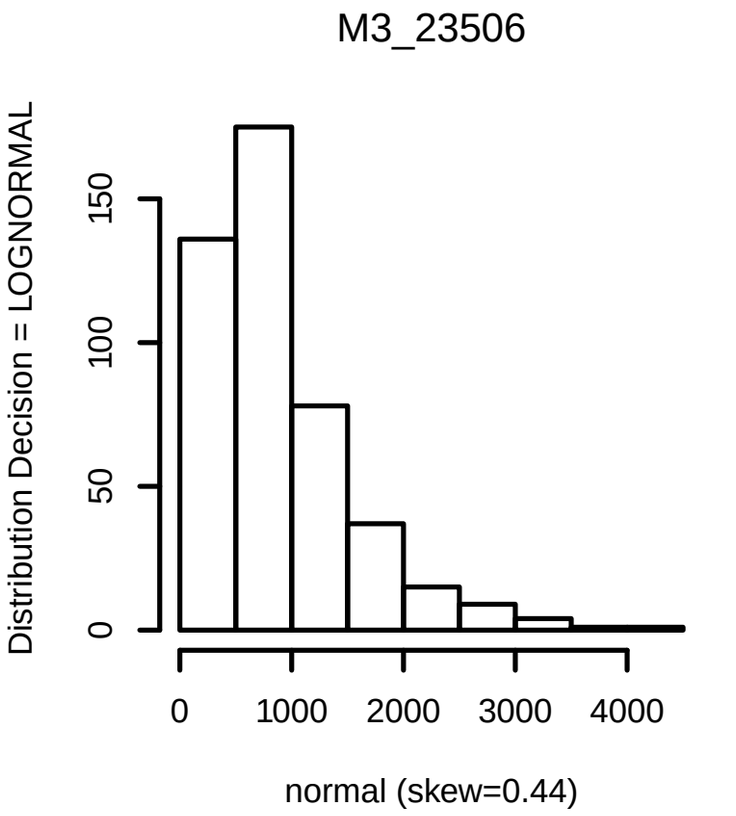

M3_23548
Distribution Decision = LOGNORMAL
0
50
100
150
200
4.5
5.5
6.5
7.5
lognormal (skew=0.13)

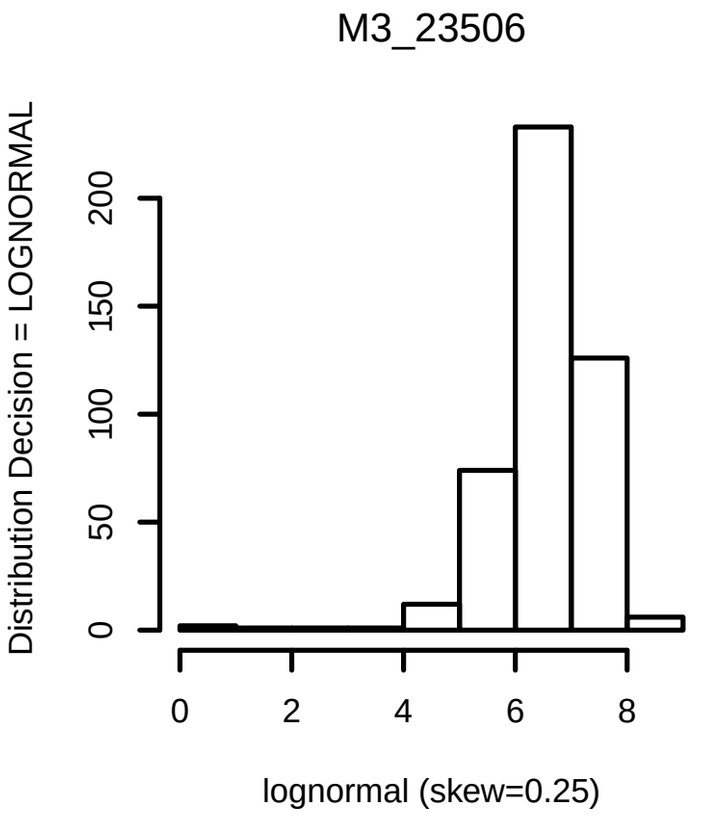

M3_24849
Distribution Decision = NORMAL
0
50
100
150
0
500
1500
2500
normal (skew=0.21)

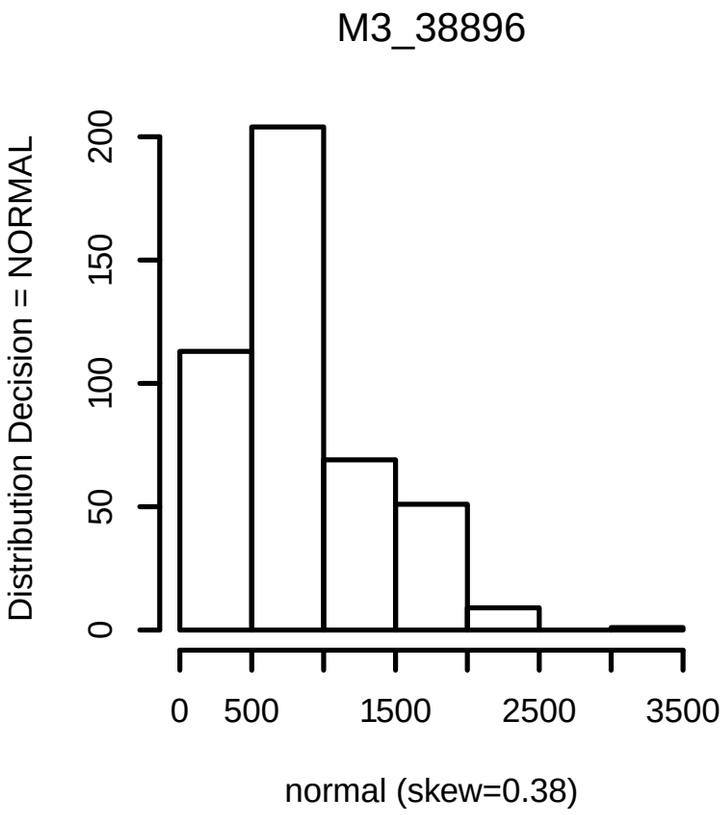

M3_24849
Distribution Decision = NORMAL
0
50
100
150
200
3
4
5
6
7
8
lognormal (skew=0.3)

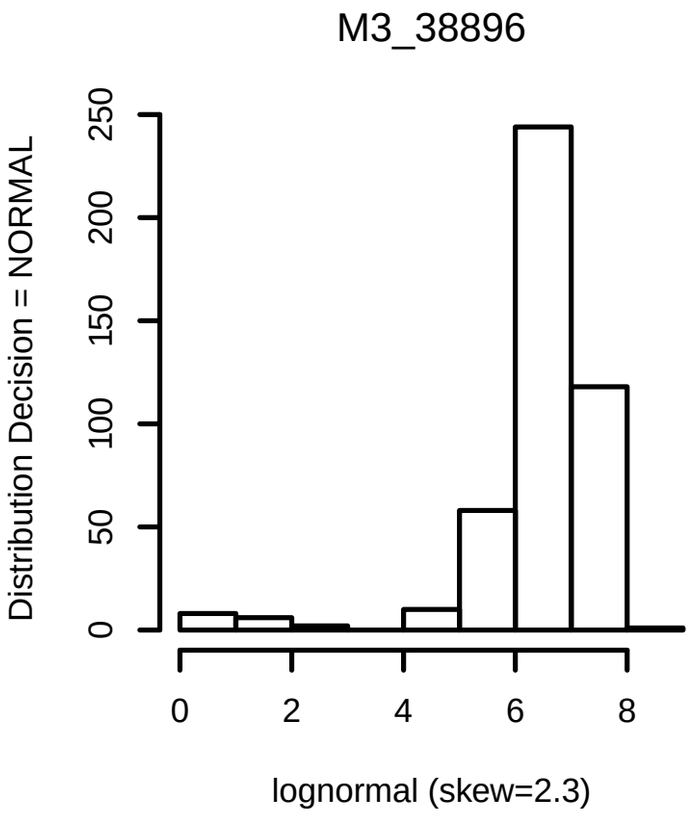

M3_20889
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
10000
15000
20000
normal (skew=1)

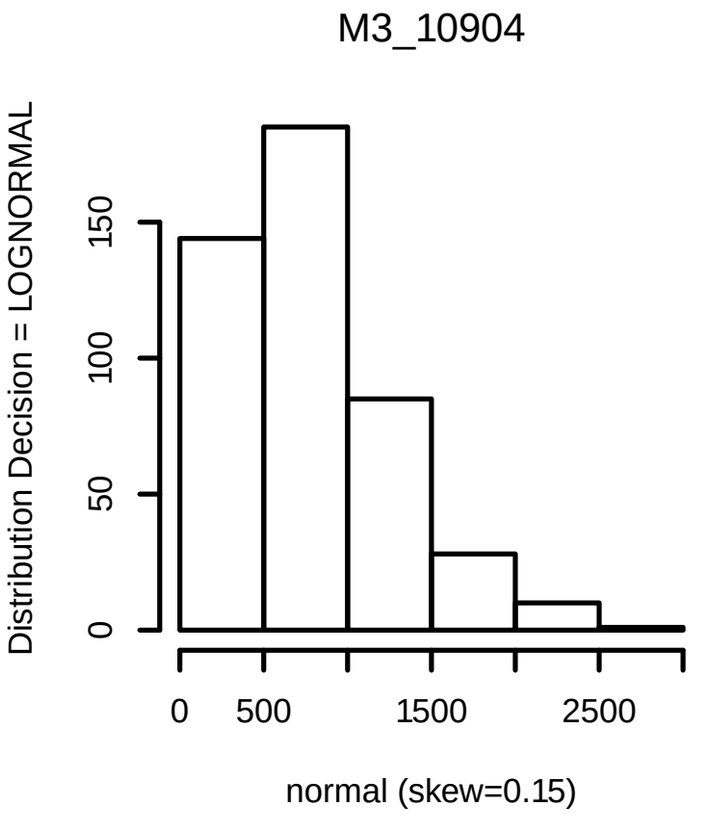

M3_20889
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
9
10
lognormal (skew=0.49)

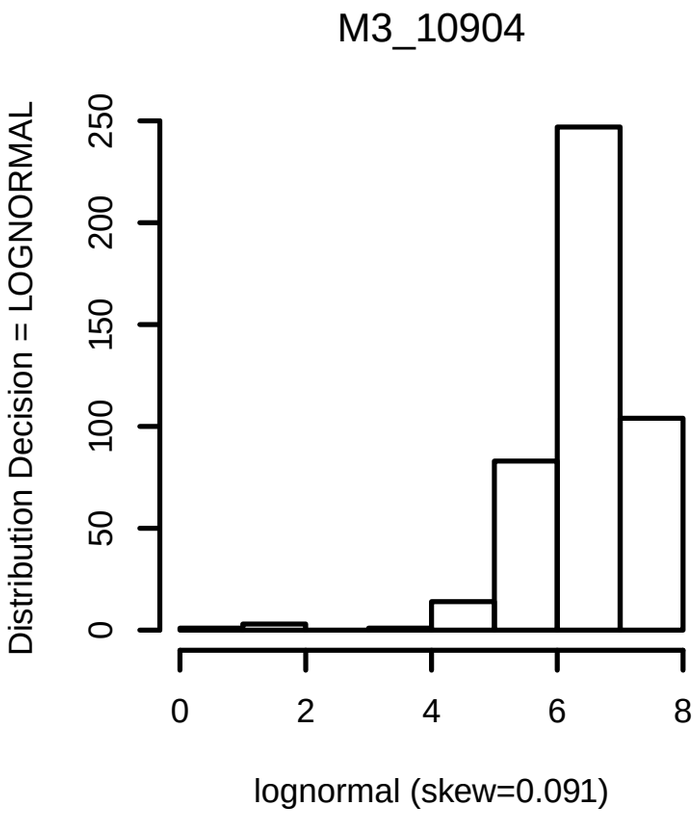

M3_23506
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.44)

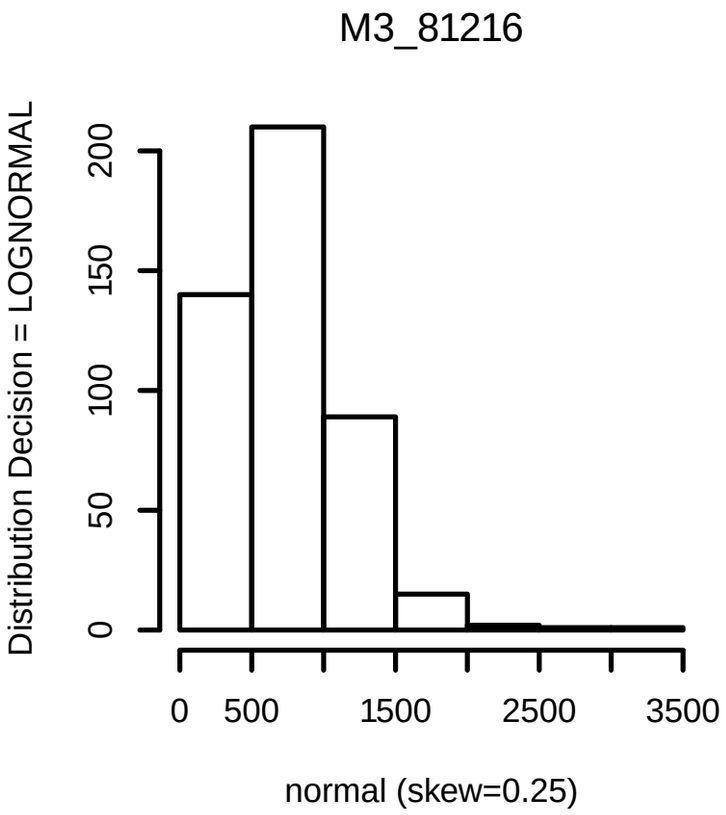

M3_23506
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.25)

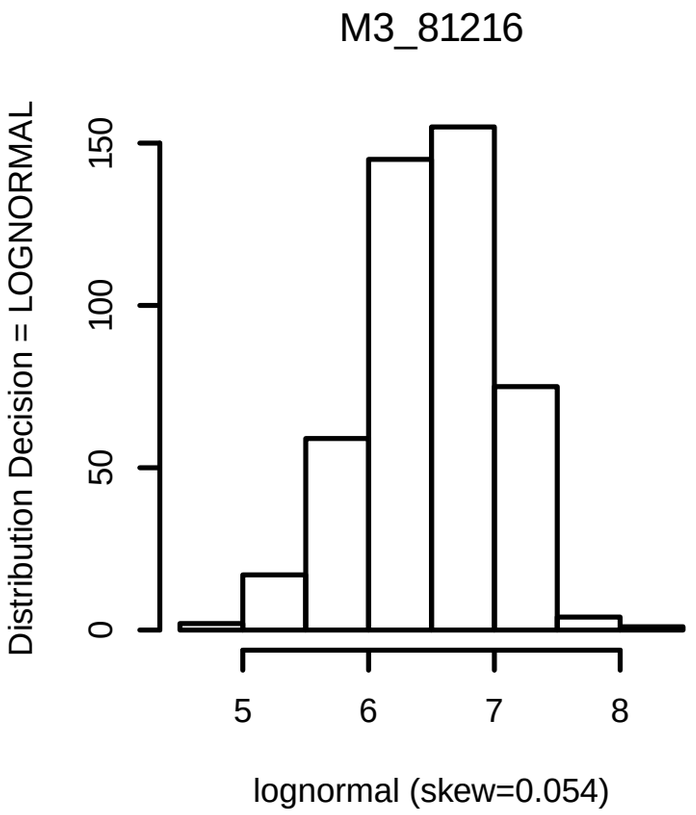

M3_38896
Distribution Decision = NORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.38)

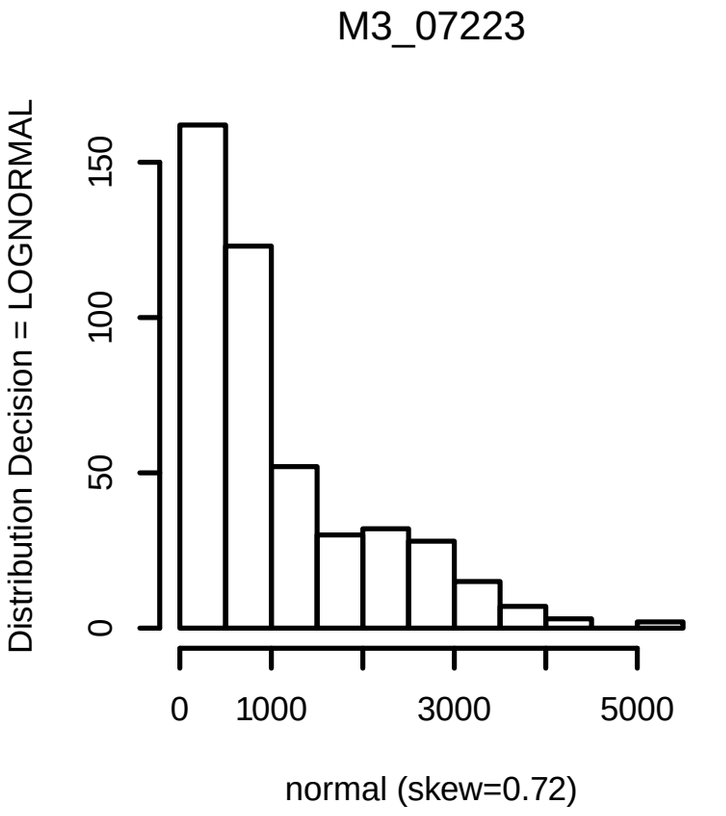

M3_38896
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=2.3)

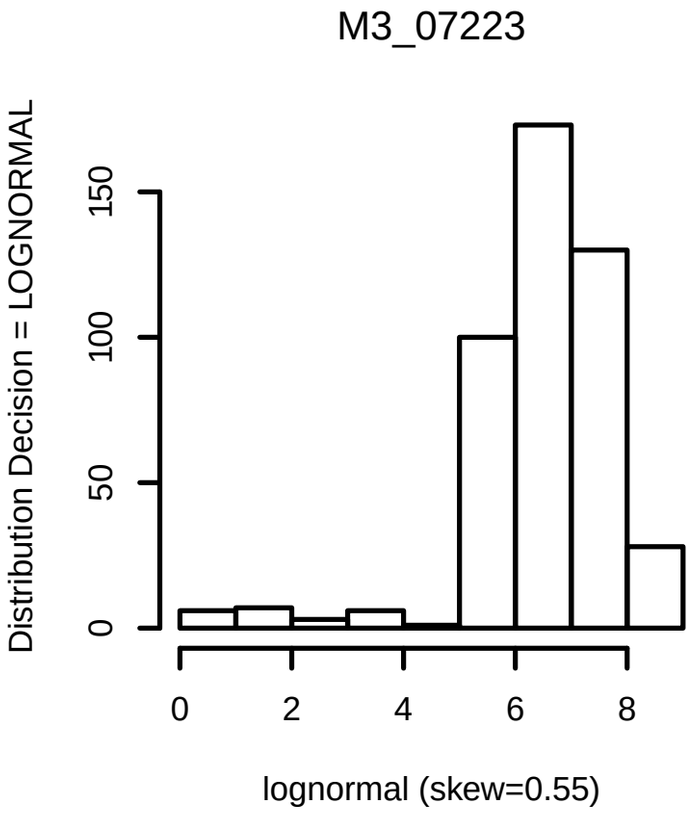

M3_10904
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1500
2500
normal (skew=0.15)

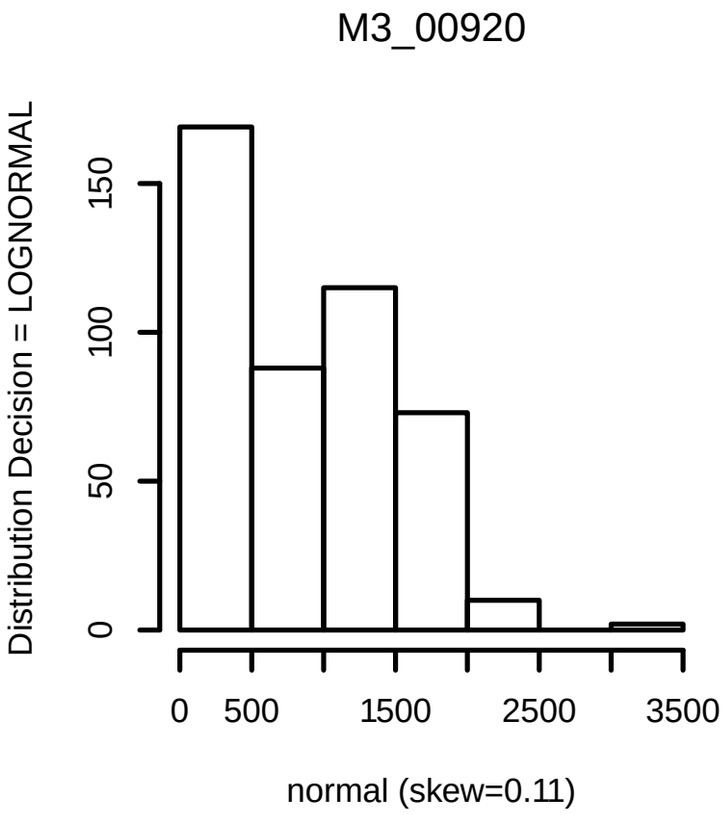

M3_10904
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.091)

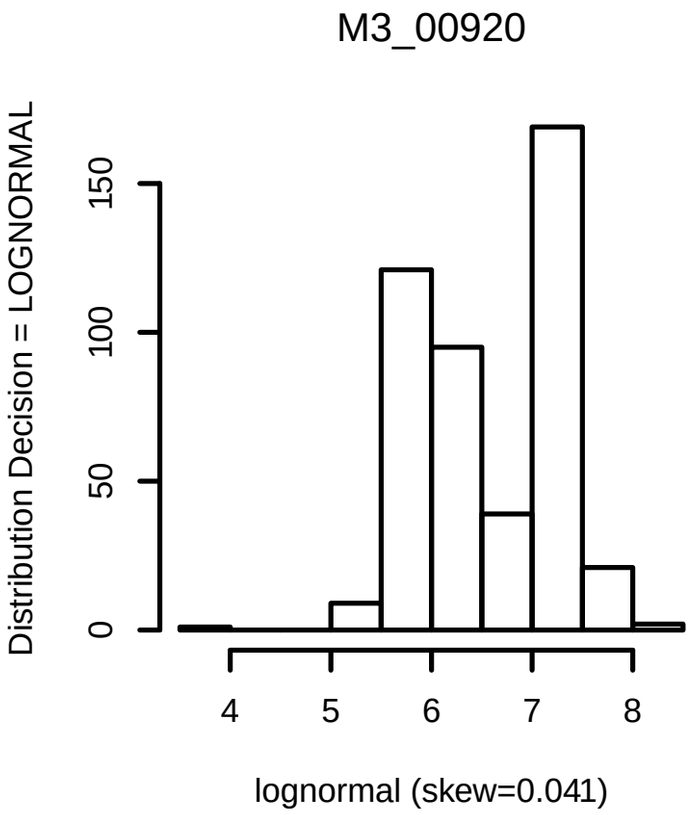

M3_81216
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.25)

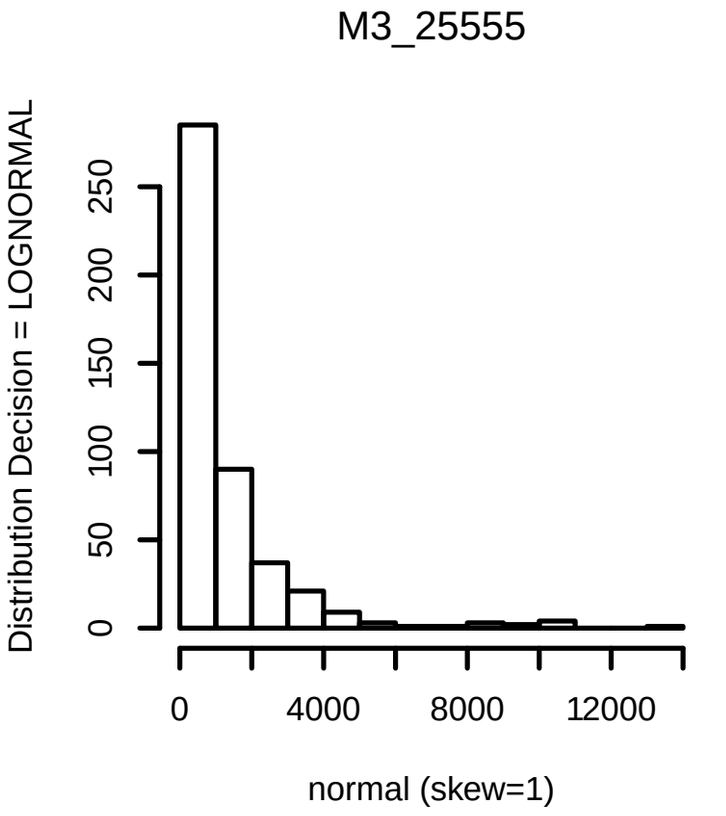

M3_81216
Distribution Decision = LOGNORMAL
0
50
100
150
5
6
7
8
lognormal (skew=0.054)

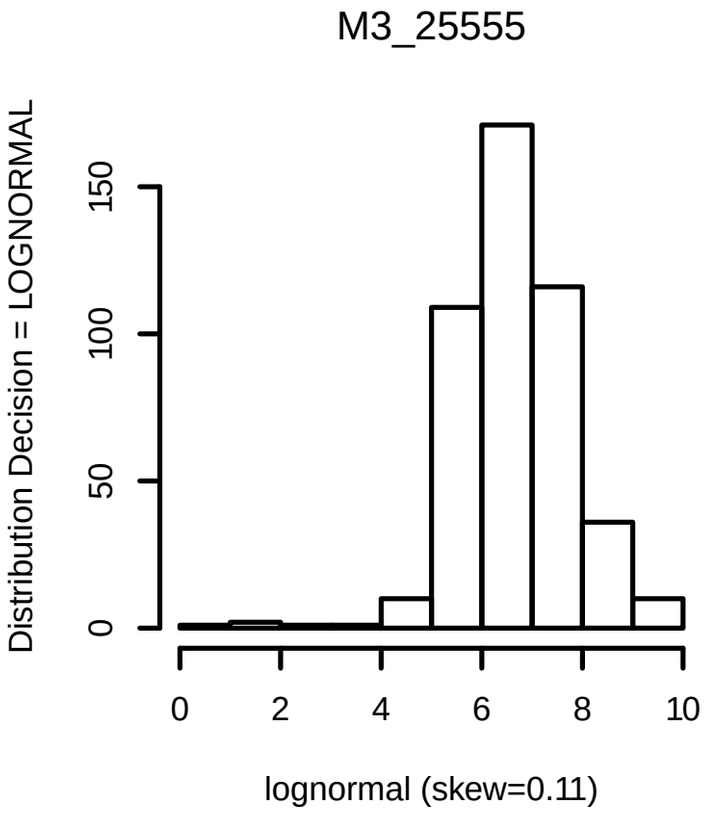

M3_07223
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
3000
5000
normal (skew=0.72)

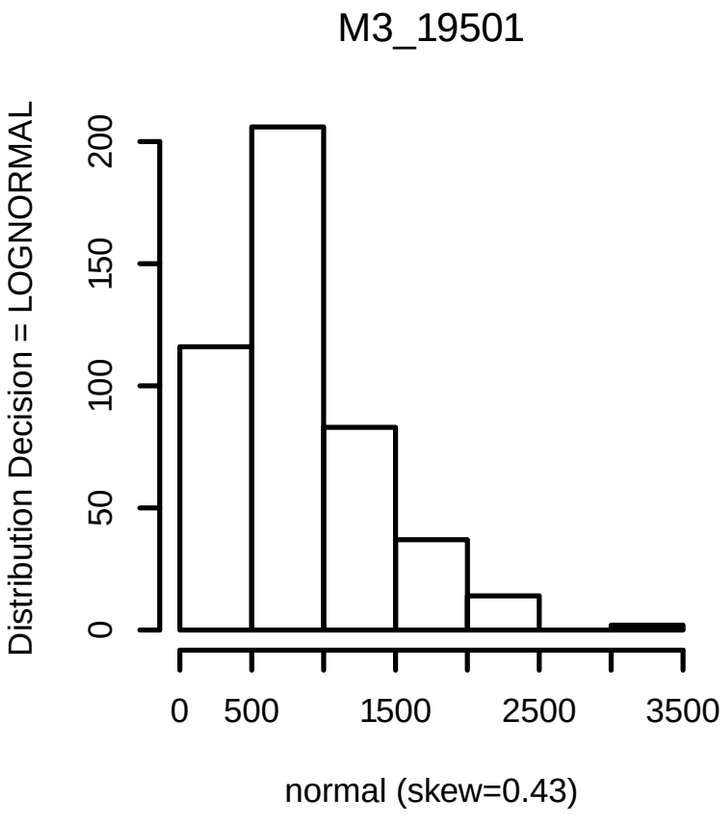

M3_07223
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.55)

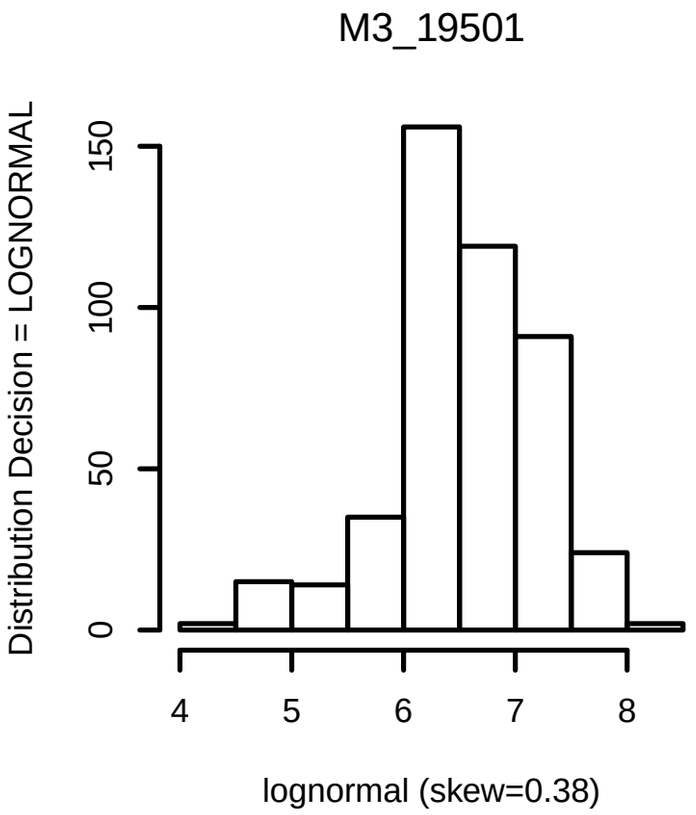

M3_00920
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1500
2500
3500
normal (skew=0.11)

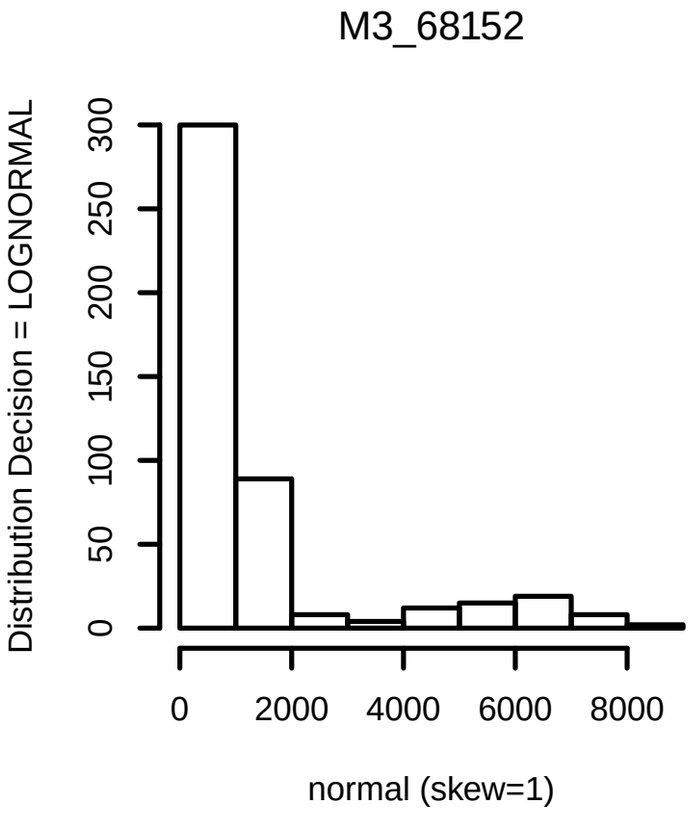

M3_00920
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
lognormal (skew=0.041)

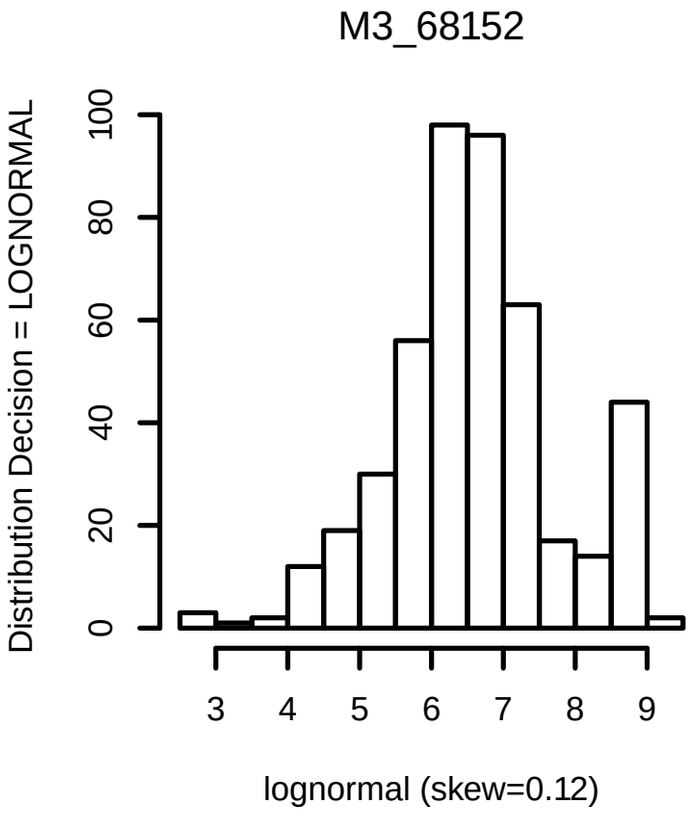

M3_25555
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
4000
8000
12000
normal (skew=1)

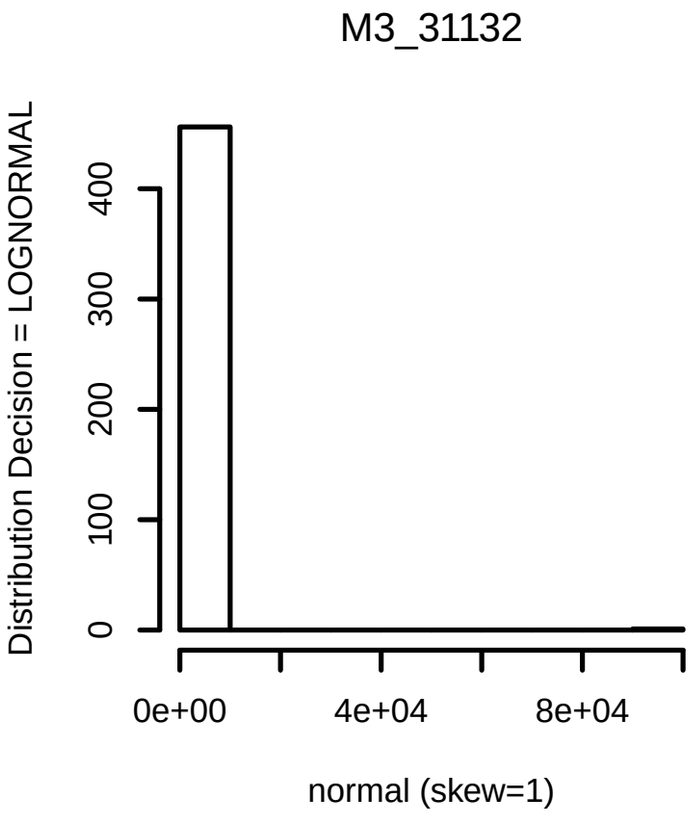

M3_25555
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.11)

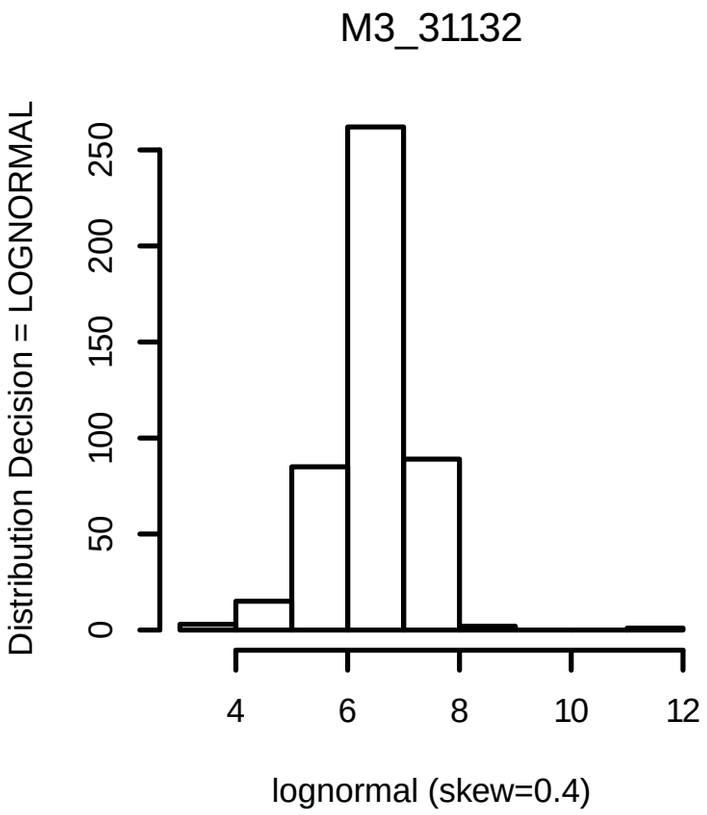

M3_19501
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.43)

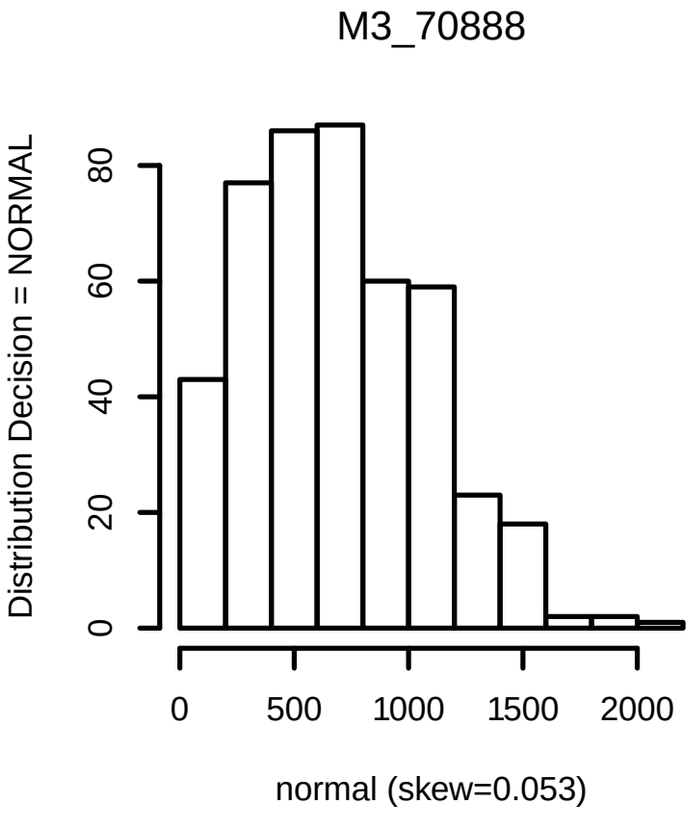

M3_19501
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
lognormal (skew=0.38)

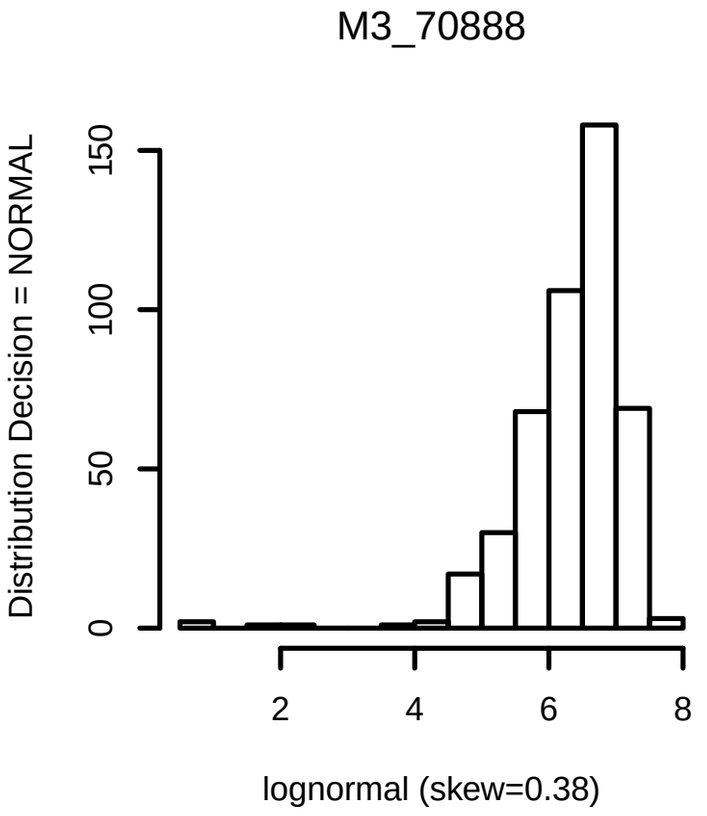

M3_68152
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
2000
4000
6000
8000
normal (skew=1)

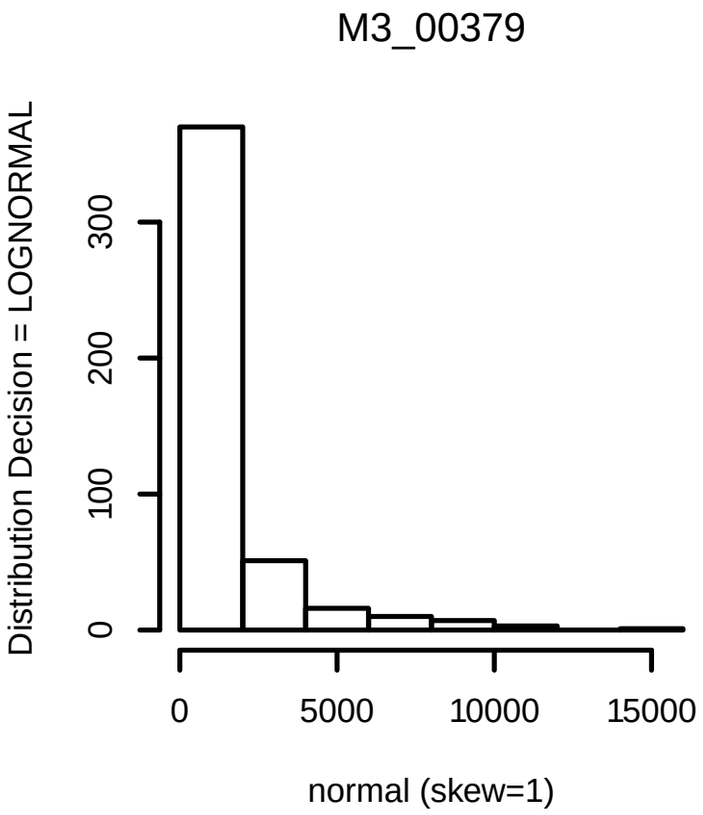

M3_68152
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
3
4
5
6
7
8
9
lognormal (skew=0.12)

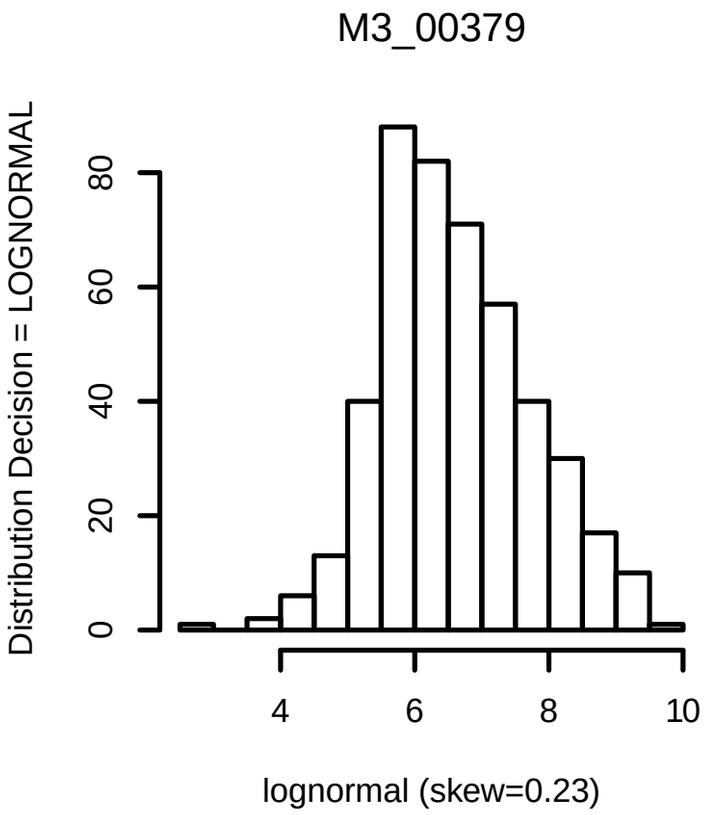

M3_31132
Distribution Decision = LOGNORMAL
0
100
200
300
400
0e+00
4e+04
8e+04
normal (skew=1)

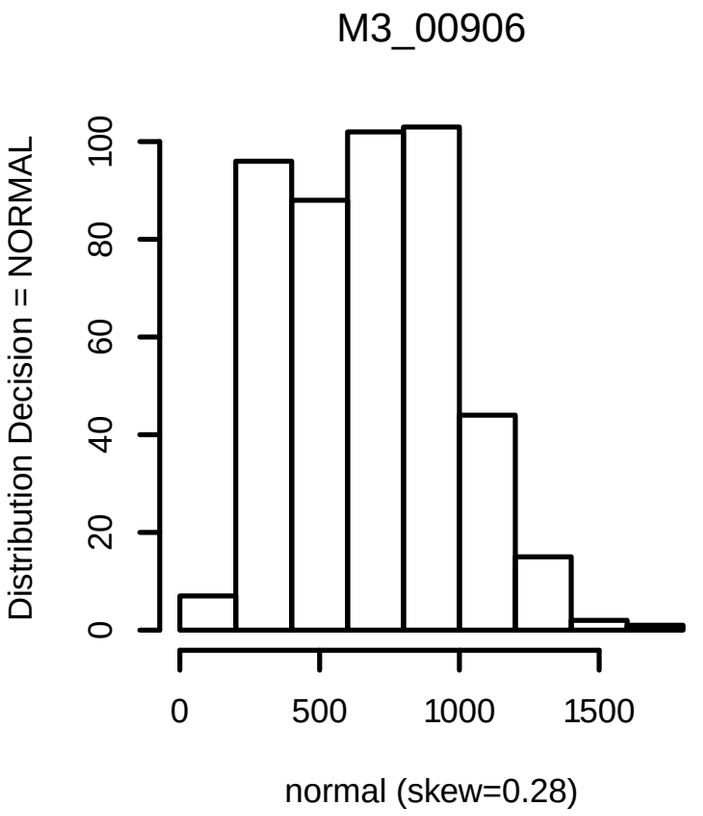

M3_31132
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
4
6
8
10
12
lognormal (skew=0.4)

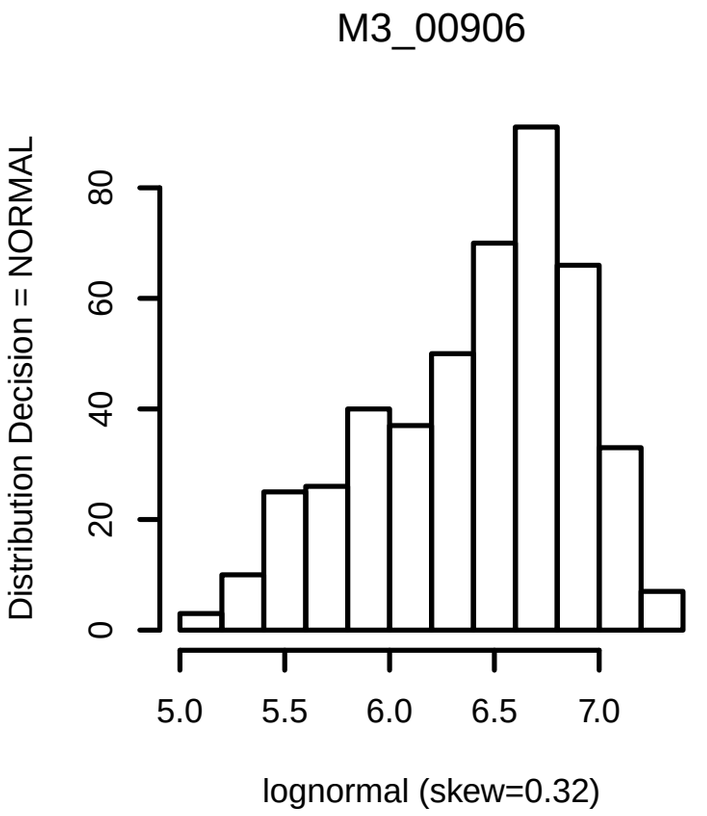

M3_70888
Distribution Decision = NORMAL
0
20
40
60
80
0
500
1000
1500
2000
normal (skew=0.053)

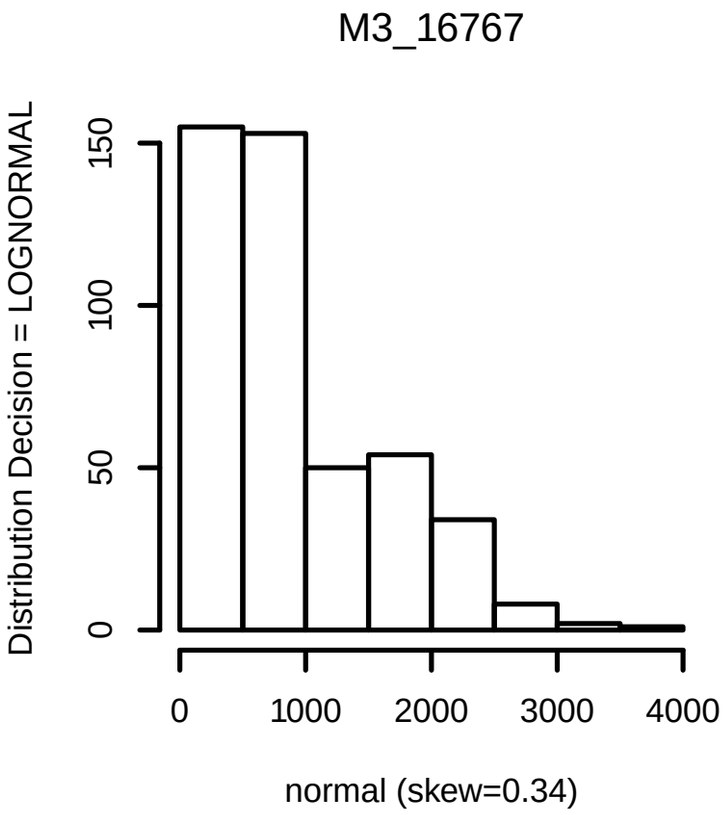

M3_70888
Distribution Decision = NORMAL
0
50
100
150
2
4
6
8
lognormal (skew=0.38)

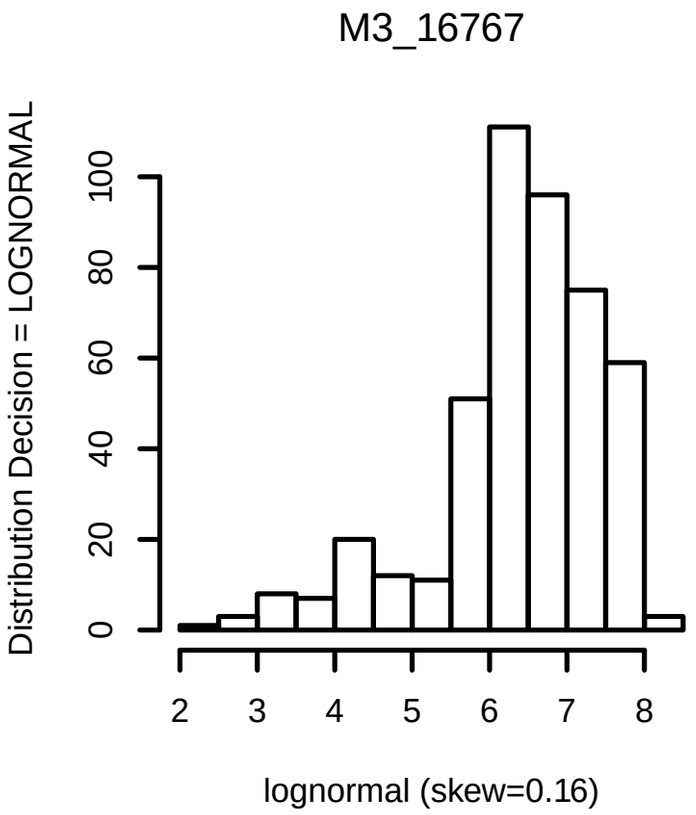

M3_00379
Distribution Decision = LOGNORMAL
0
100
200
300
0
5000
10000
15000
normal (skew=1)

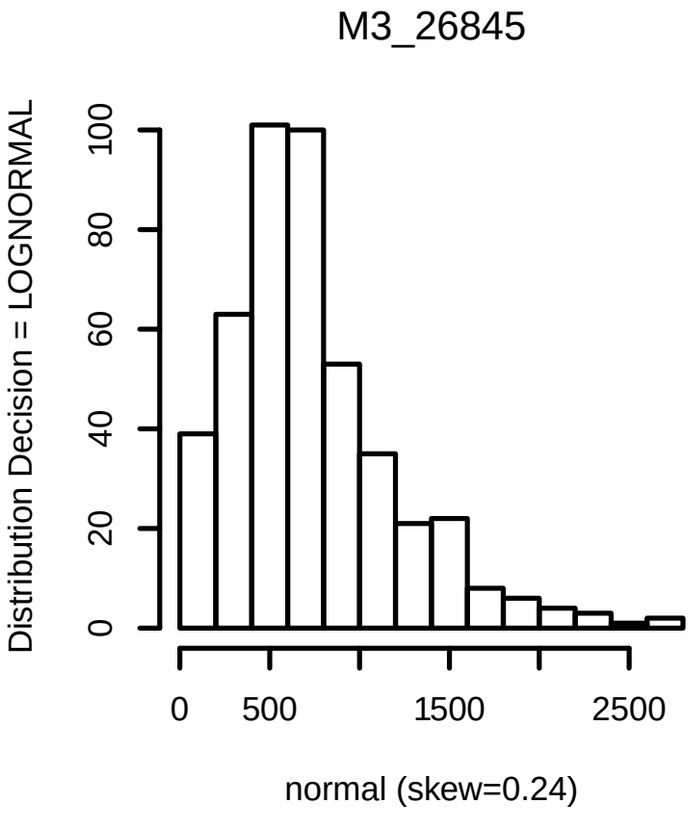

M3_00379
Distribution Decision = LOGNORMAL
0
20
40
60
80
4
6
8
10
lognormal (skew=0.23)

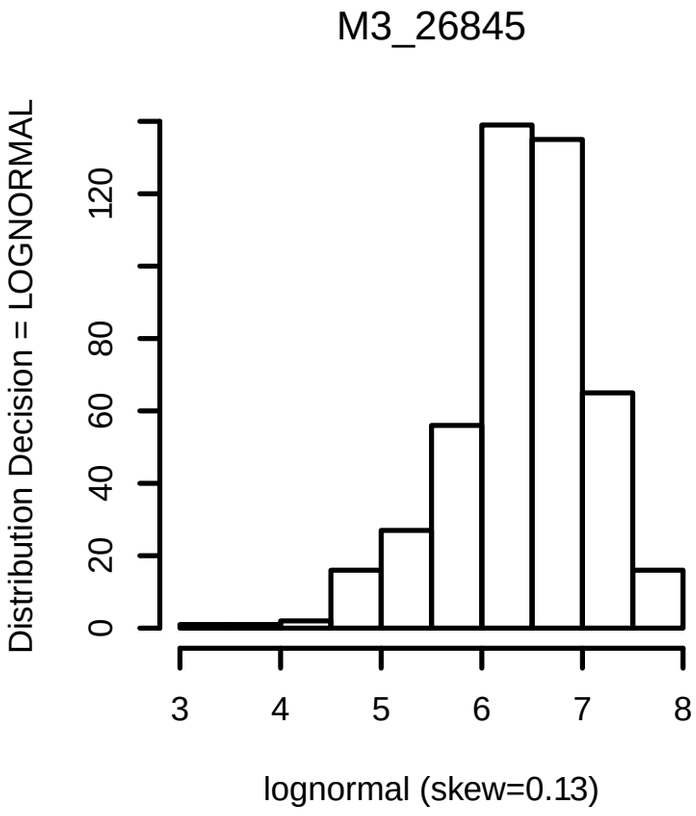

M3_00906
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
normal (skew=0.28)

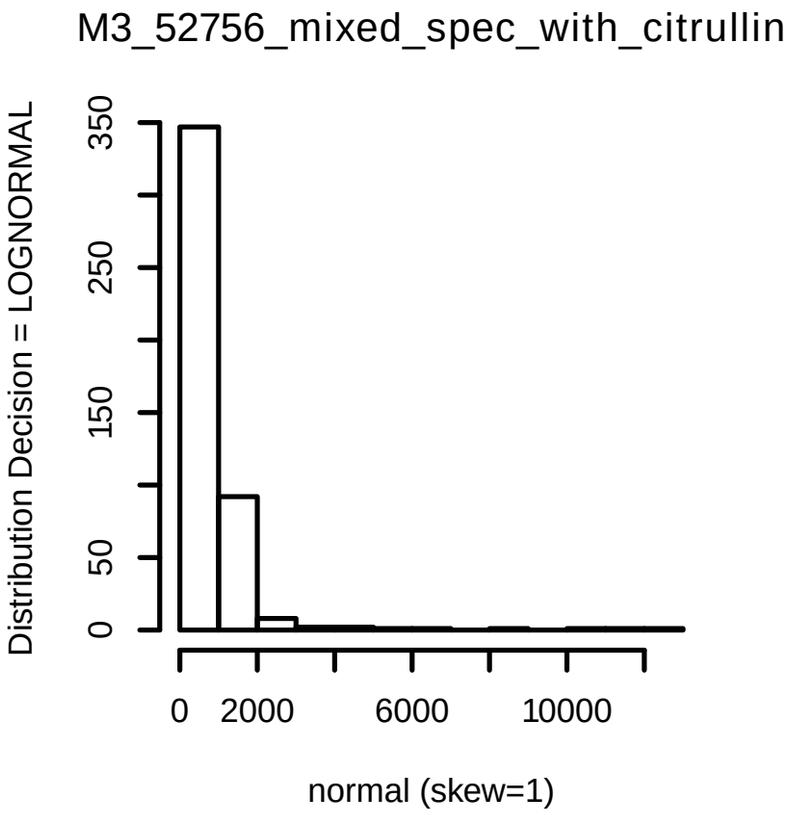

M3_00906
Distribution Decision = NORMAL
0
20
40
60
80
5.0
5.5
6.0
6.5
7.0
lognormal (skew=0.32)

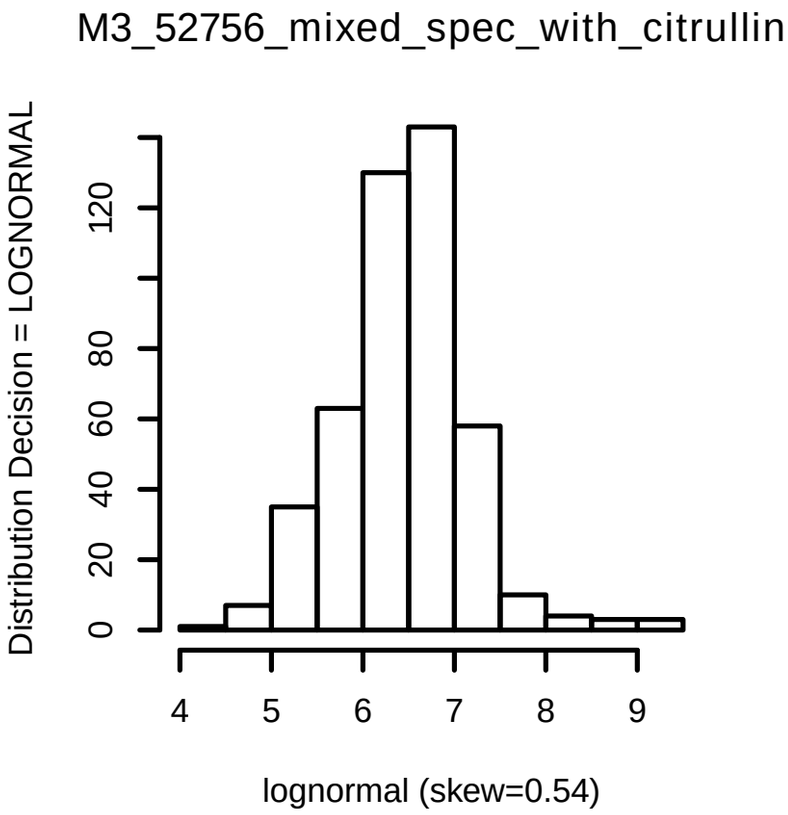

M3_16767
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.34)

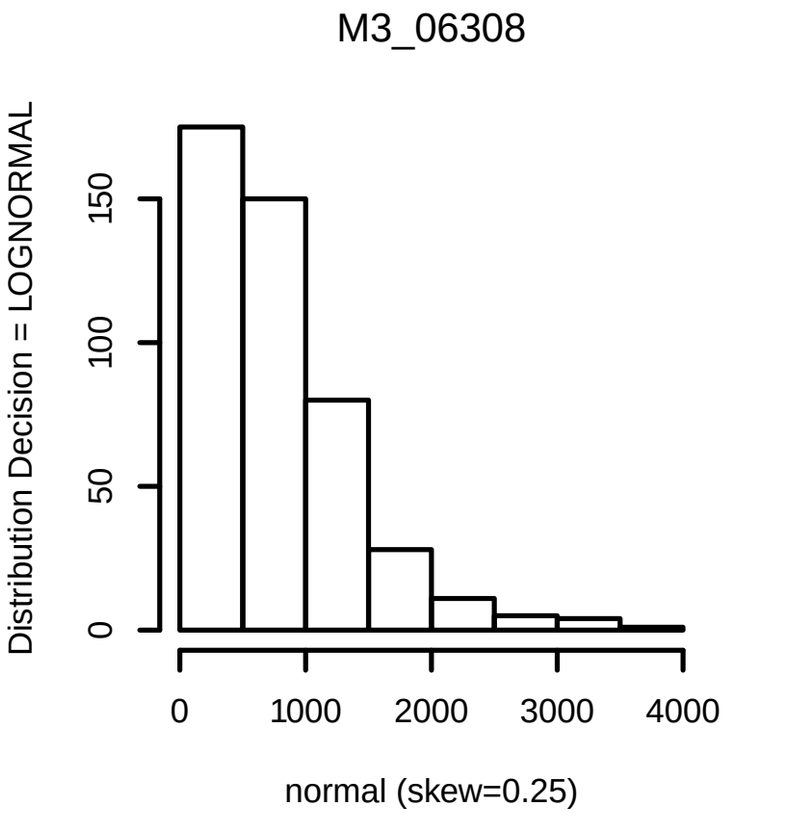

M3_16767
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
2
3
4
5
6
7
8
lognormal (skew=0.16)

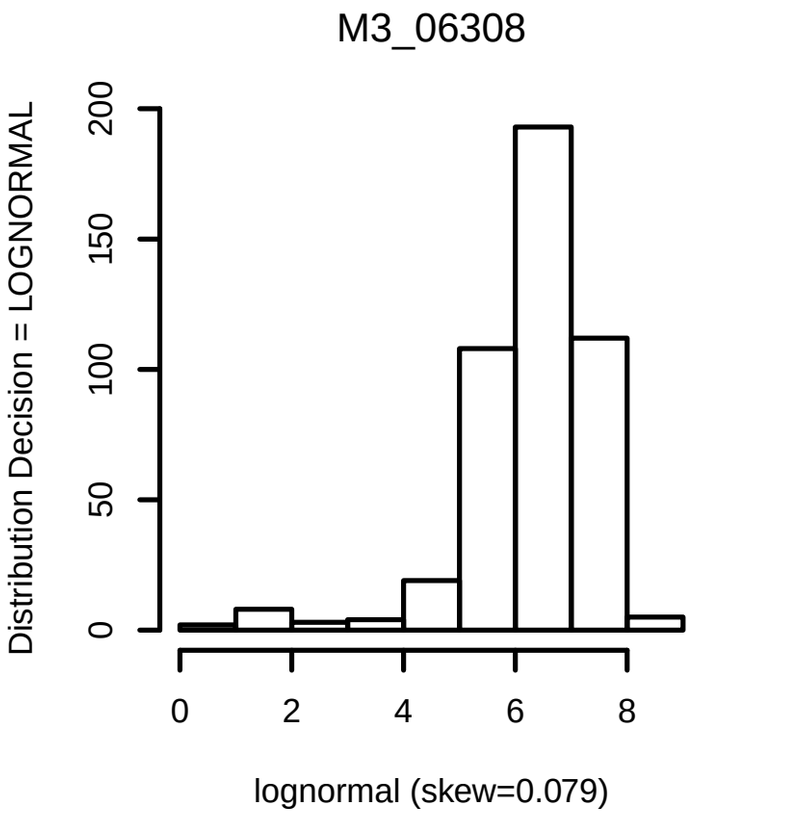

M3_26845
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
500
1500
2500
normal (skew=0.24)

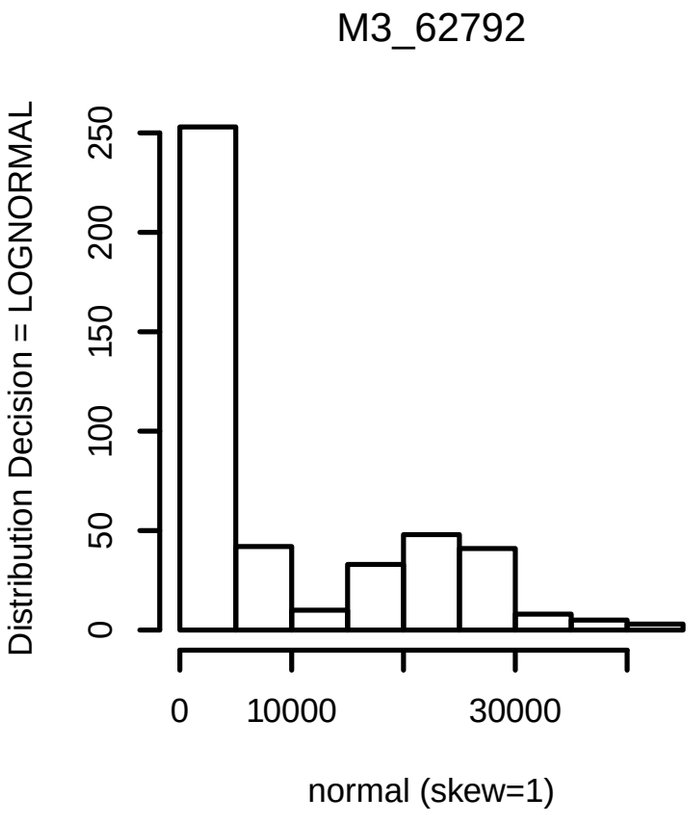

M3_26845
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
3
4
5
6
7
8
lognormal (skew=0.13)

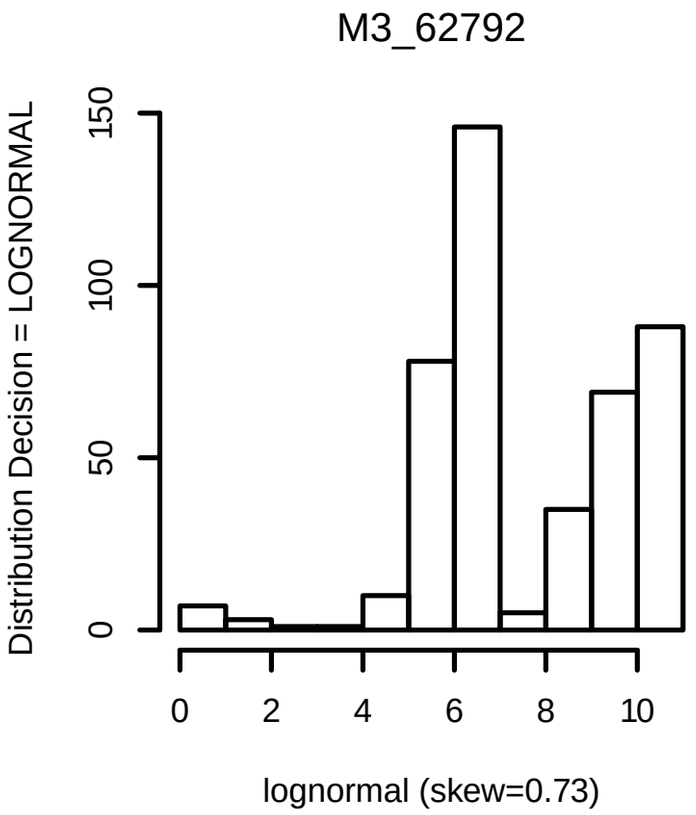

M3_52756_mixed_spec_with_citrullin
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
2000
6000
10000
normal (skew=1)

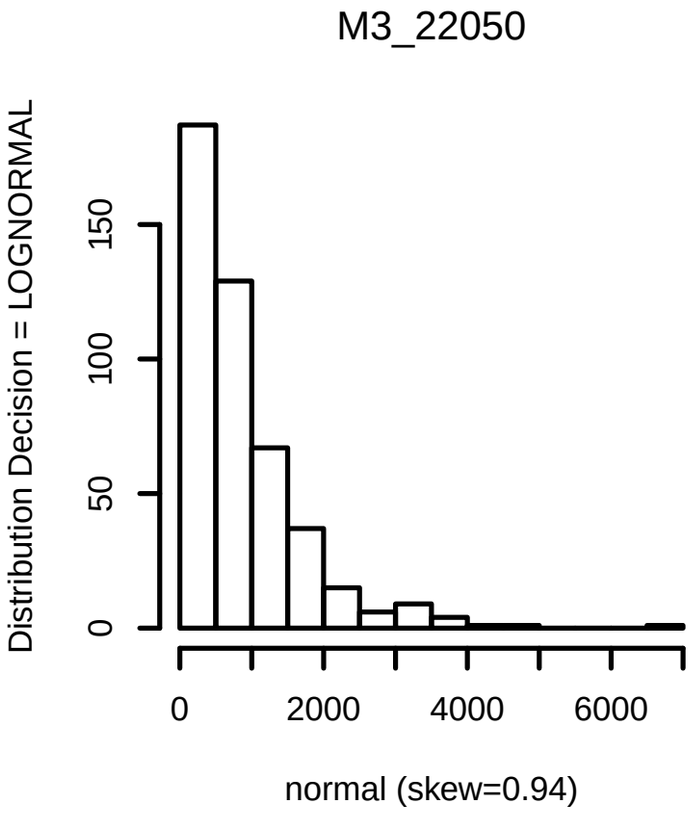

M3_52756_mixed_spec_with_citrullin
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
4
5
6
7
8
9
lognormal (skew=0.54)

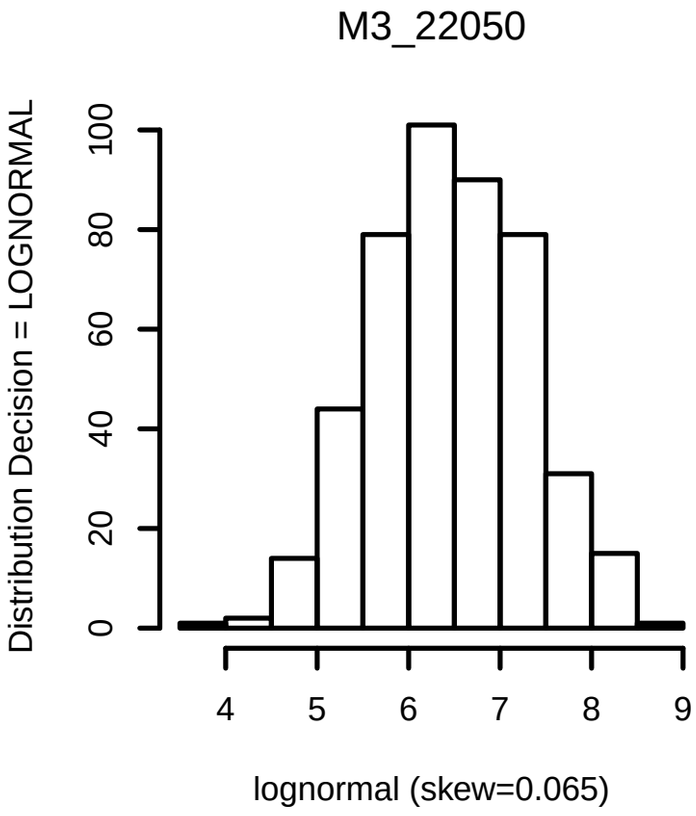

M3_06308
Distribution Decision = LOGNORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.25)

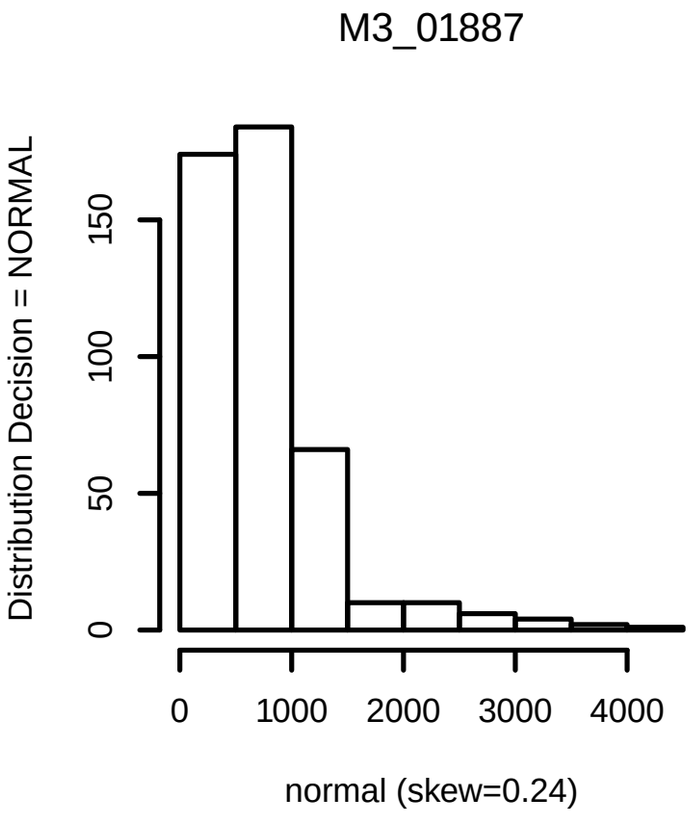

M3_06308
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.079)

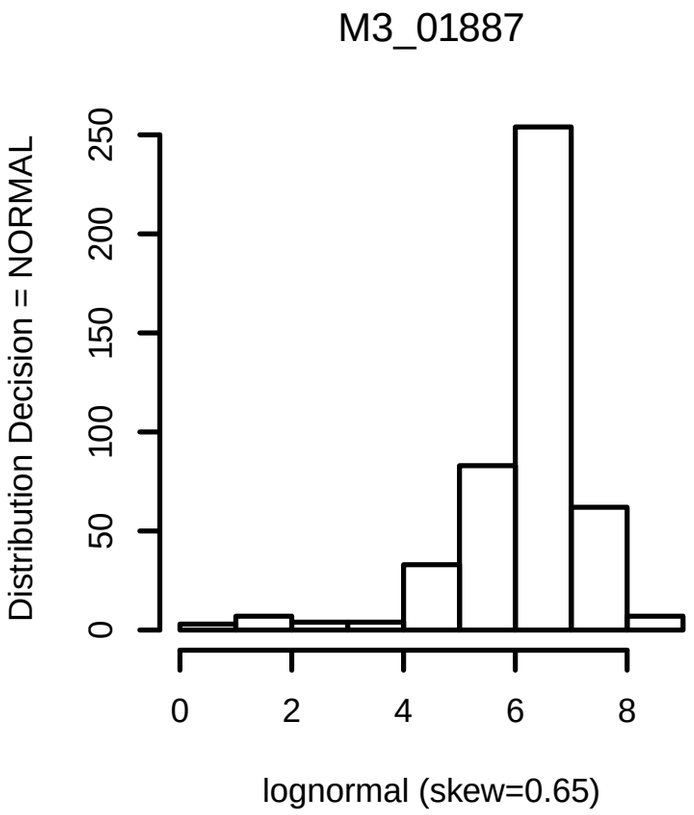

M3_62792
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
10000
30000
normal (skew=1)

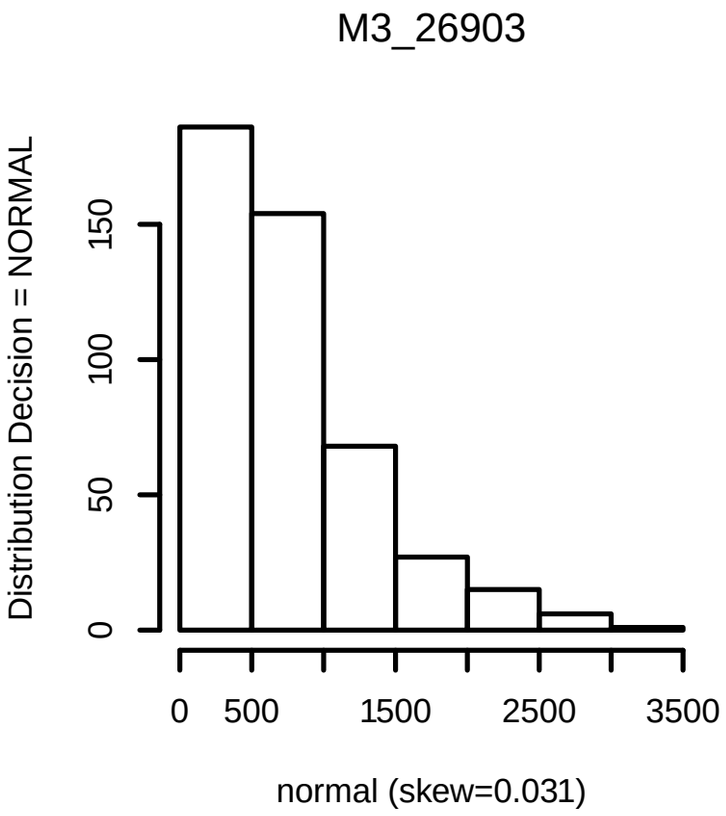

M3_62792
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.73)

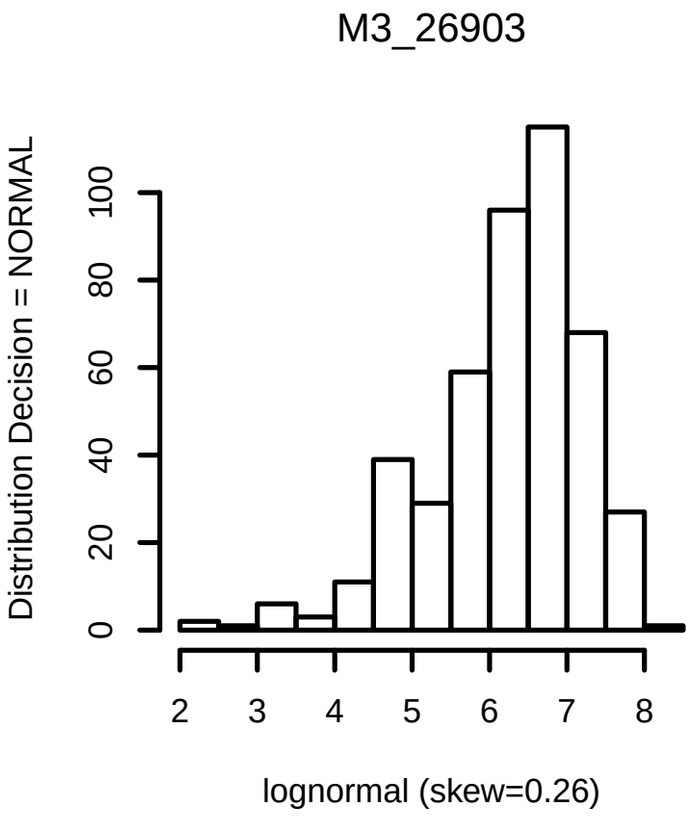

M3_22050
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
4000
6000
normal (skew=0.94)

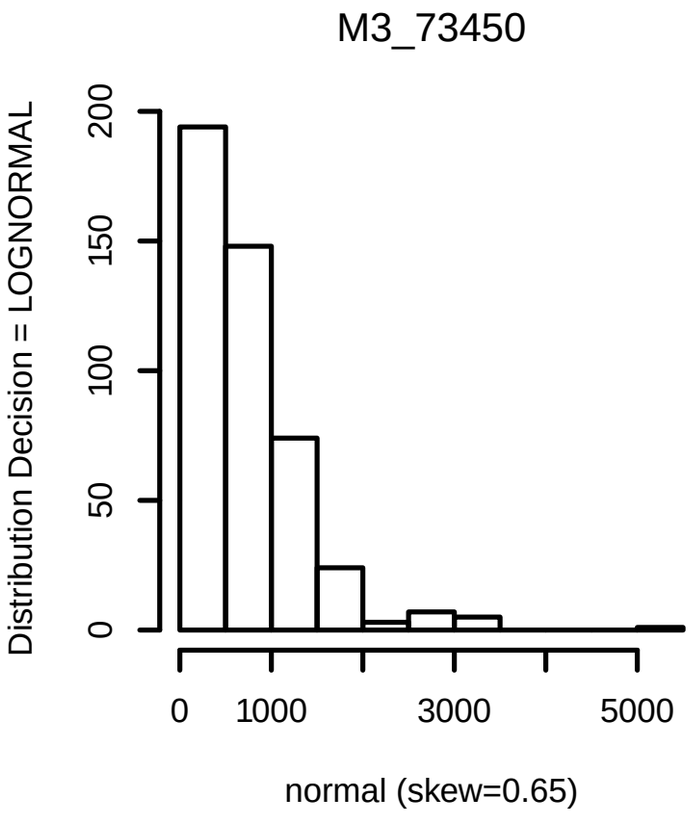

M3_22050
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
9
lognormal (skew=0.065)

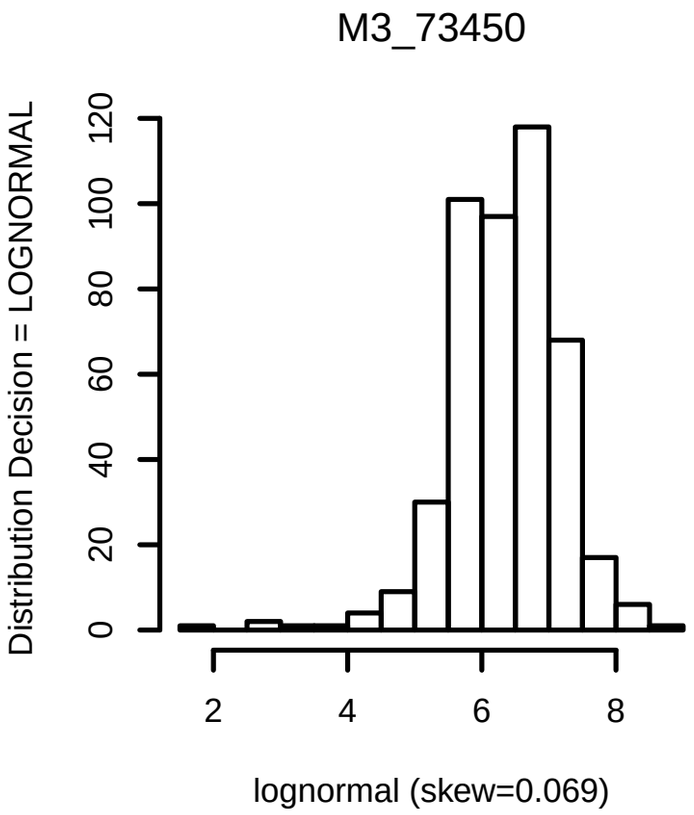

M3_01887
Distribution Decision = NORMAL
0
50
100
150
0
1000
2000
3000
4000
normal (skew=0.24)

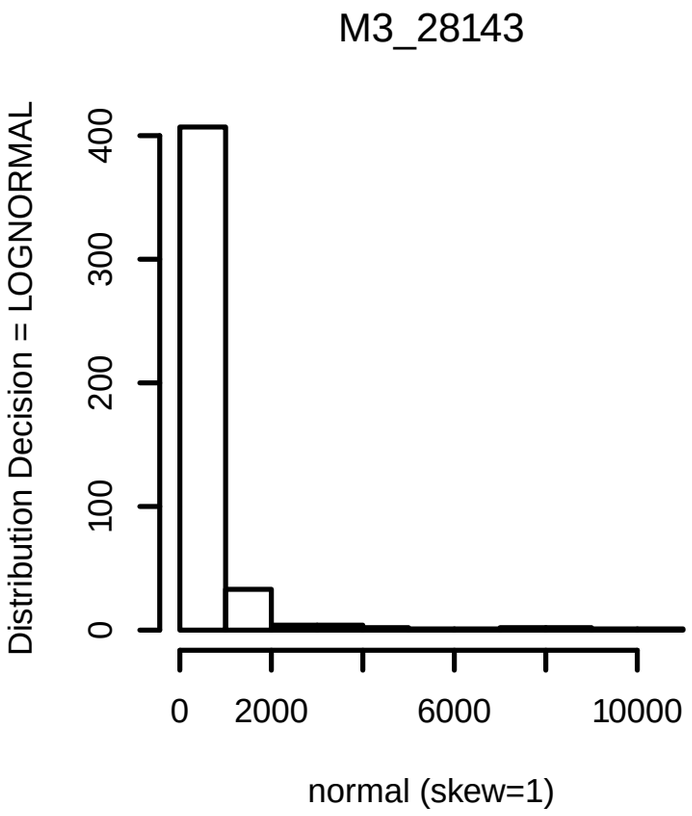

M3_01887
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.65)

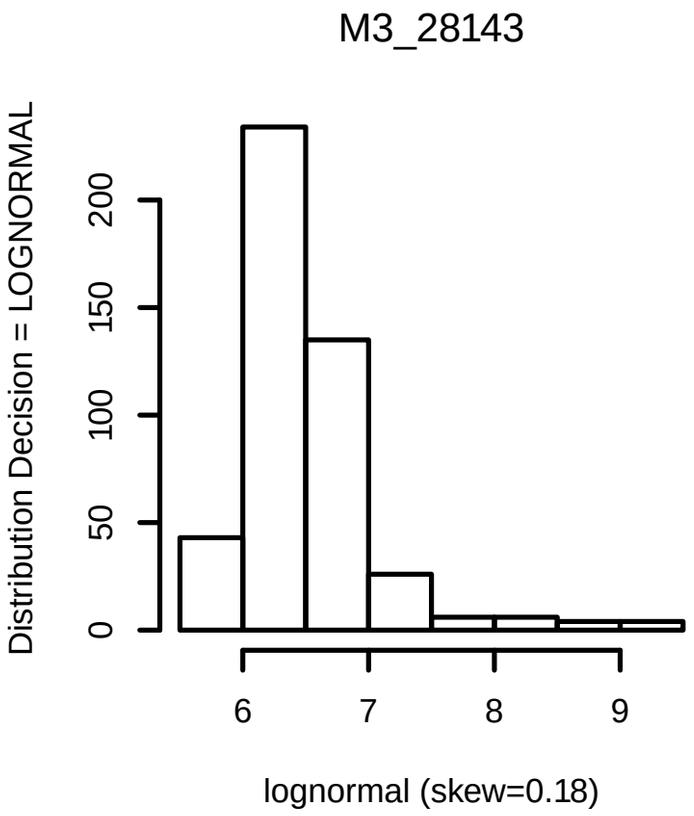

M3_26903
Distribution Decision = NORMAL
0
50
100
150
0
500
1500
2500
3500
normal (skew=0.031)

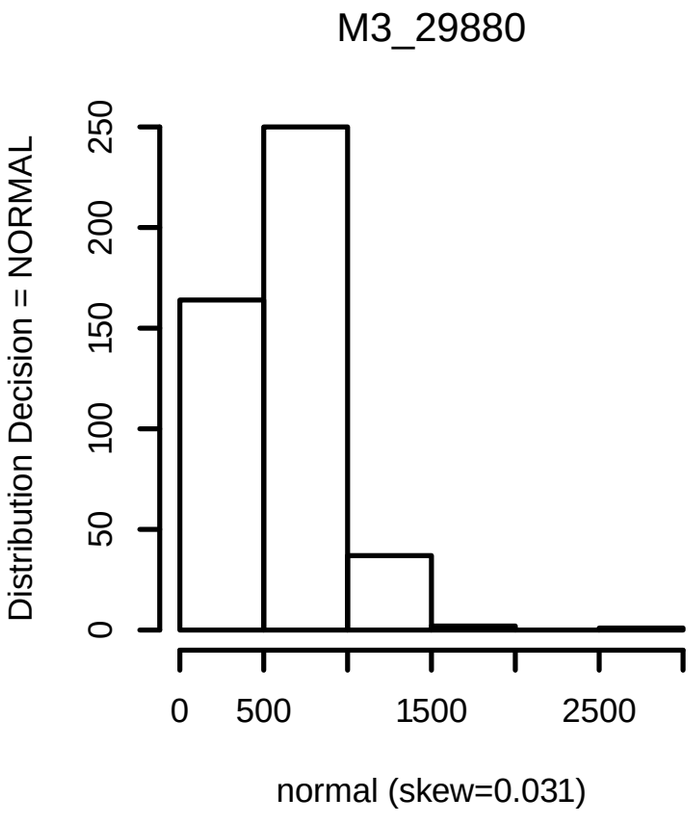

M3_26903
Distribution Decision = NORMAL
0
20
40
60
80
100
2
3
4
5
6
7
8
lognormal (skew=0.26)

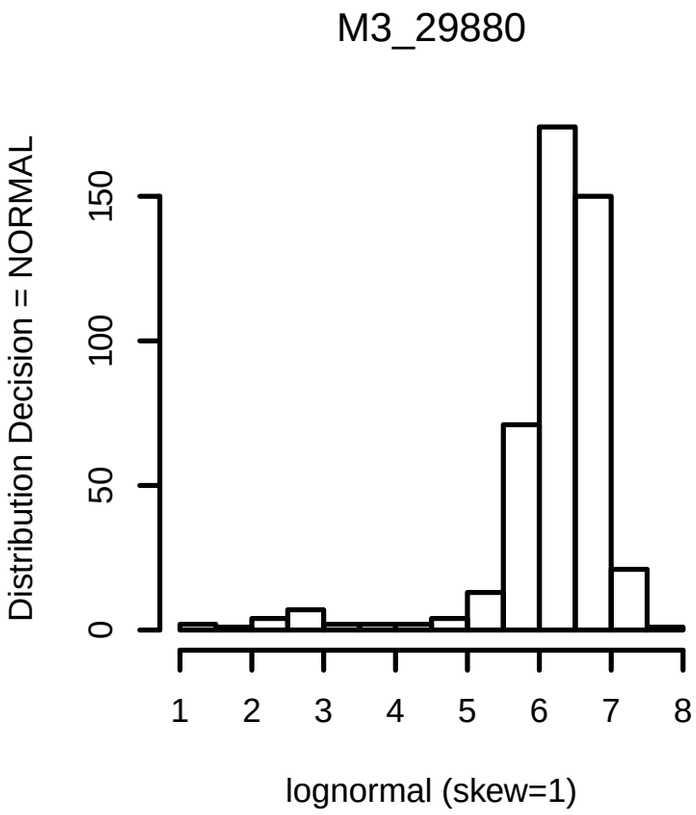

M3_73450
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
3000
5000
normal (skew=0.65)

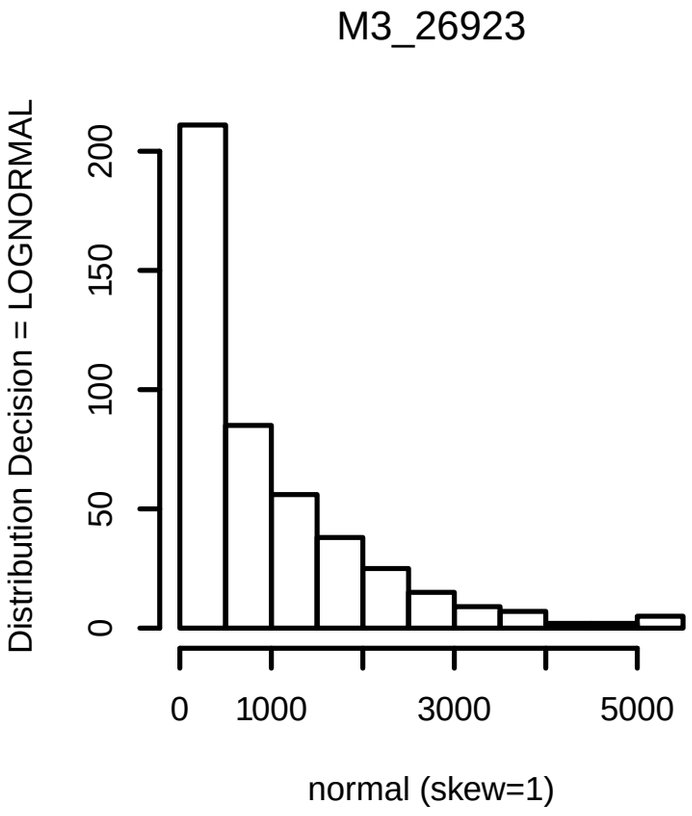

M3_73450
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
2
4
6
8
lognormal (skew=0.069)

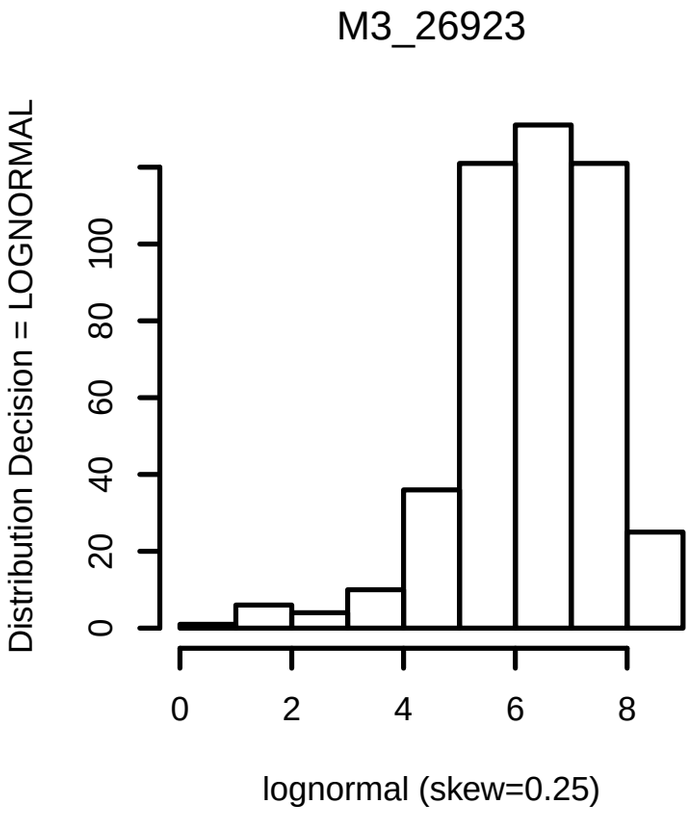

M3_28143
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

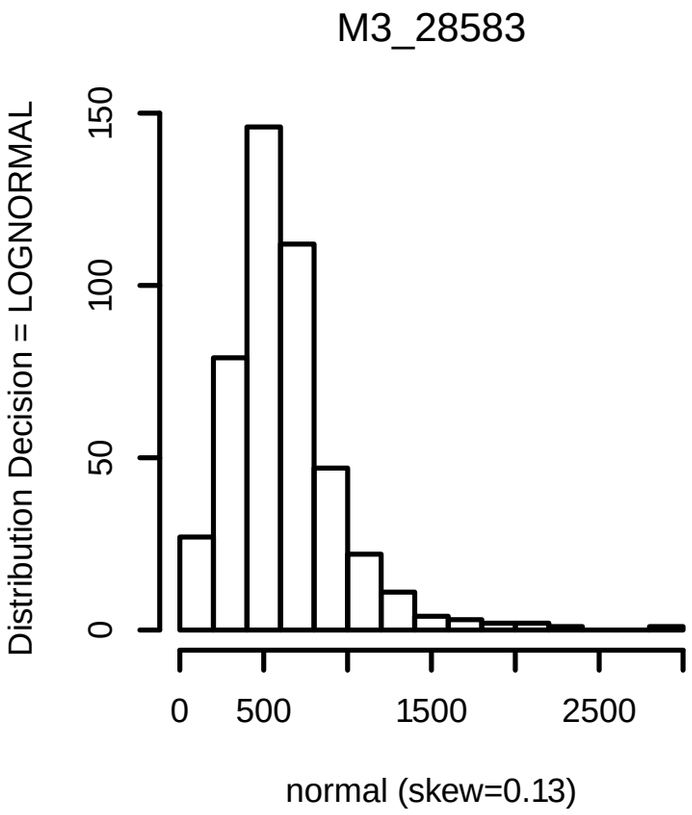

M3_28143
Distribution Decision = LOGNORMAL
0
50
100
150
200
6
7
8
9
lognormal (skew=0.18)

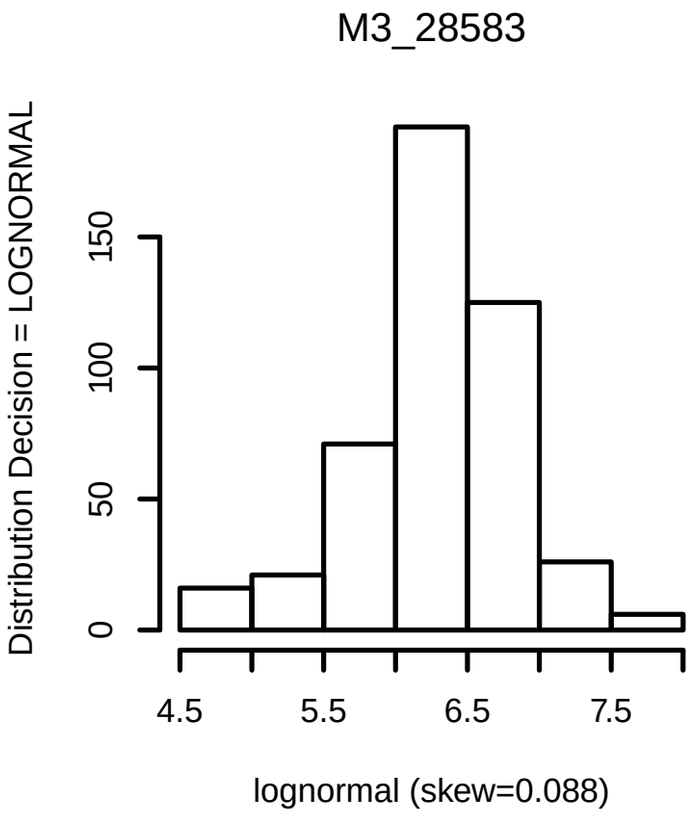

M3_29880
Distribution Decision = NORMAL
0
50
100
150
200
250
0
500
1500
2500
normal (skew=0.031)

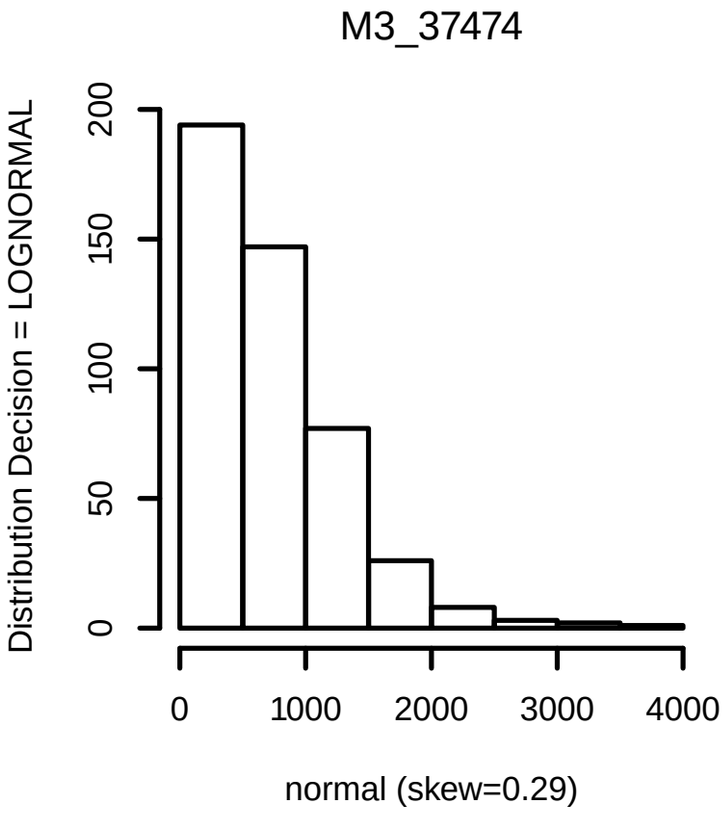

M3_29880
Distribution Decision = NORMAL
0
50
100
150
1
2
3
4
5
6
7
8
lognormal (skew=1)

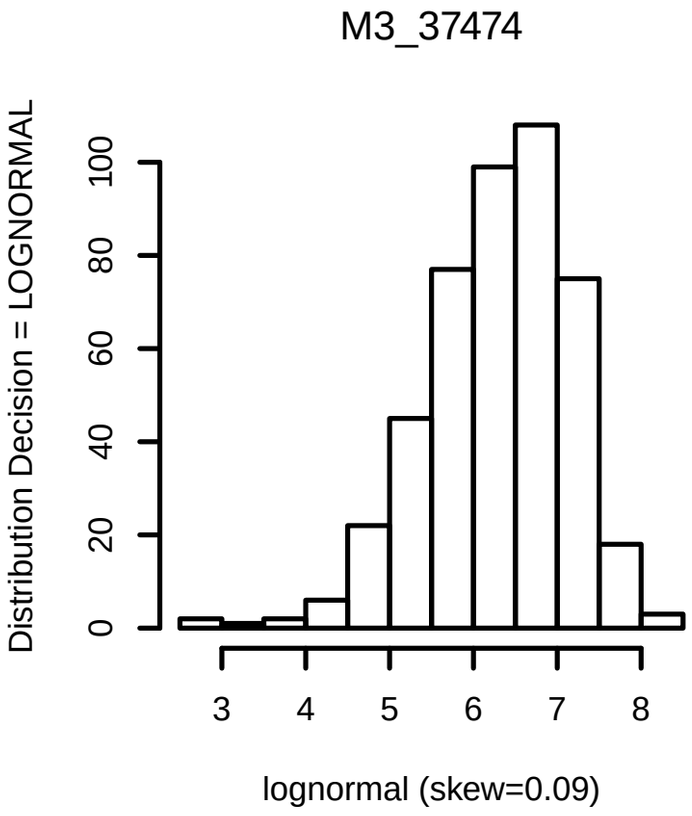

M3_26923
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
3000
5000
normal (skew=1)

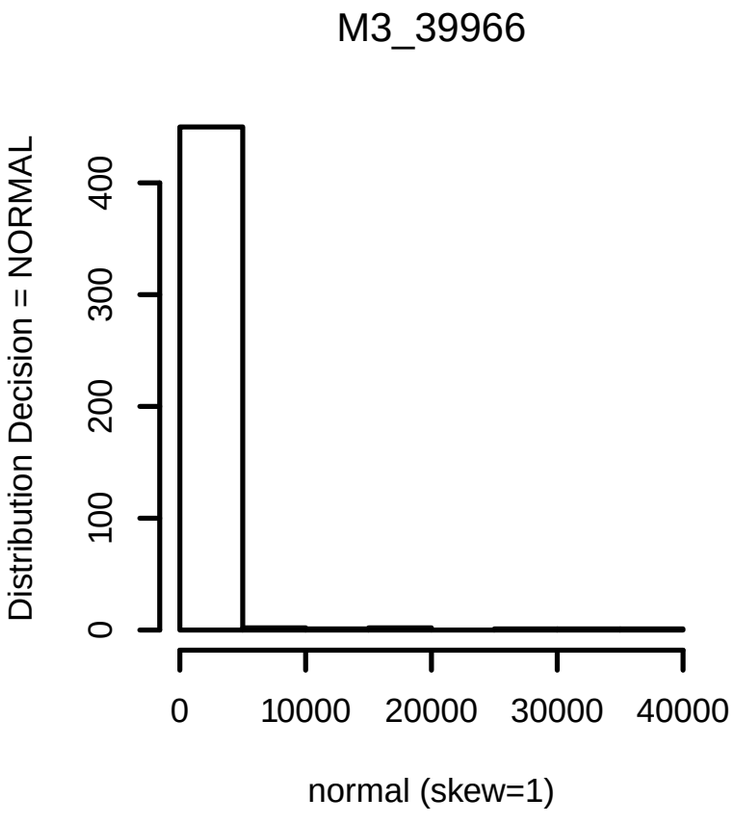

M3_26923
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2
4
6
8
lognormal (skew=0.25)

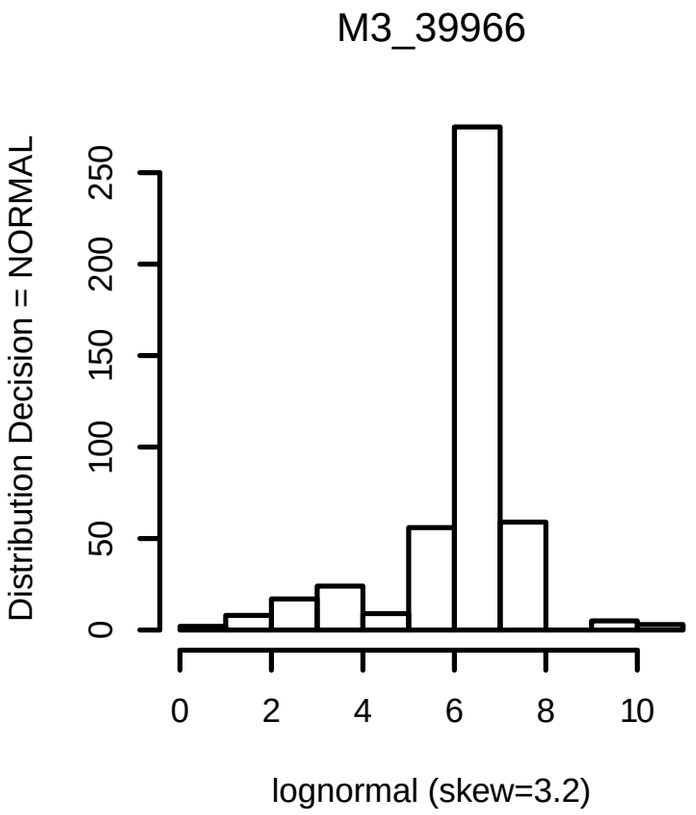

M3_28583
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1500
2500
normal (skew=0.13)

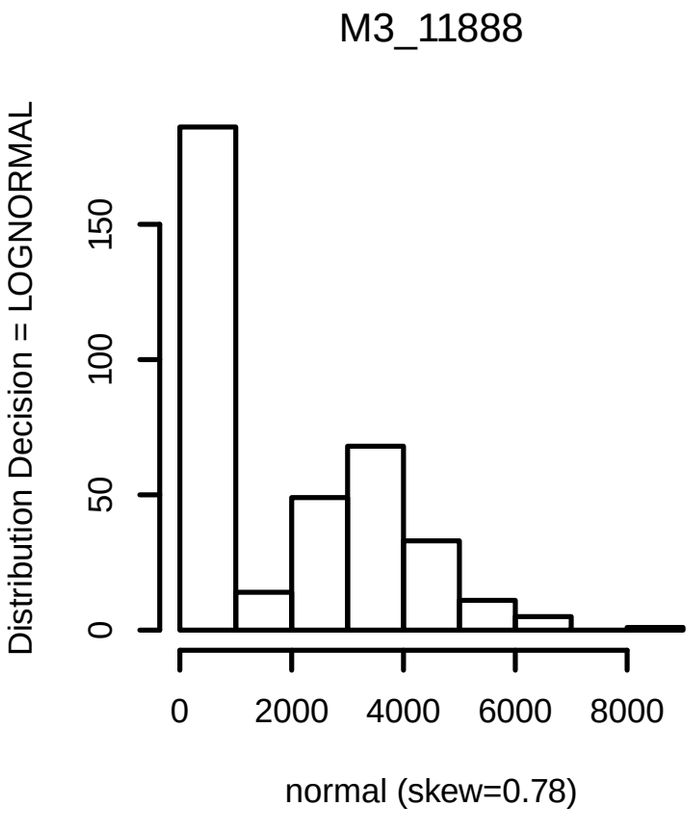

M3_28583
Distribution Decision = LOGNORMAL
0
50
100
150
4.5
5.5
6.5
7.5
lognormal (skew=0.088)

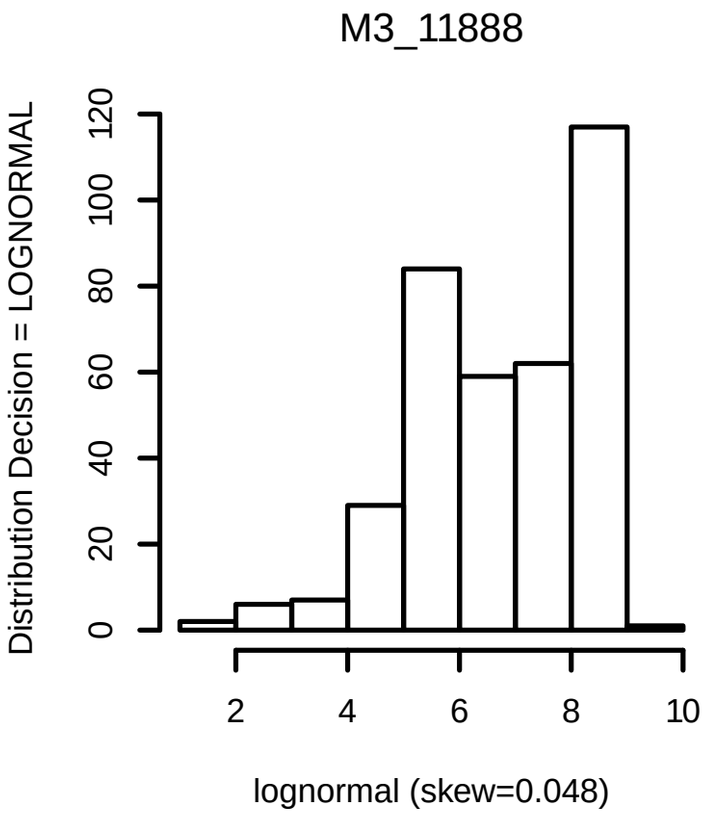

M3_37474
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
2000
3000
4000
normal (skew=0.29)

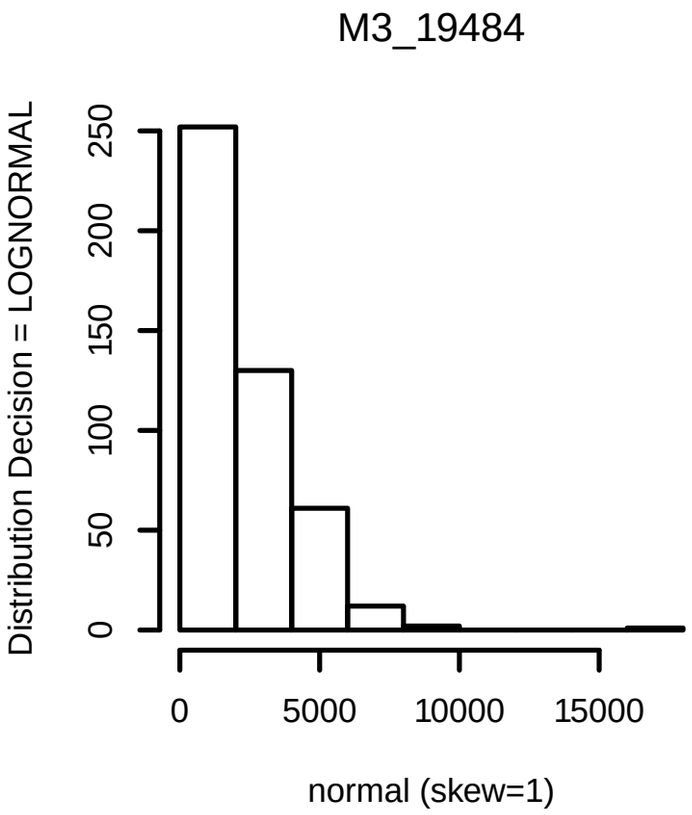

M3_37474
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
3
4
5
6
7
8
lognormal (skew=0.09)

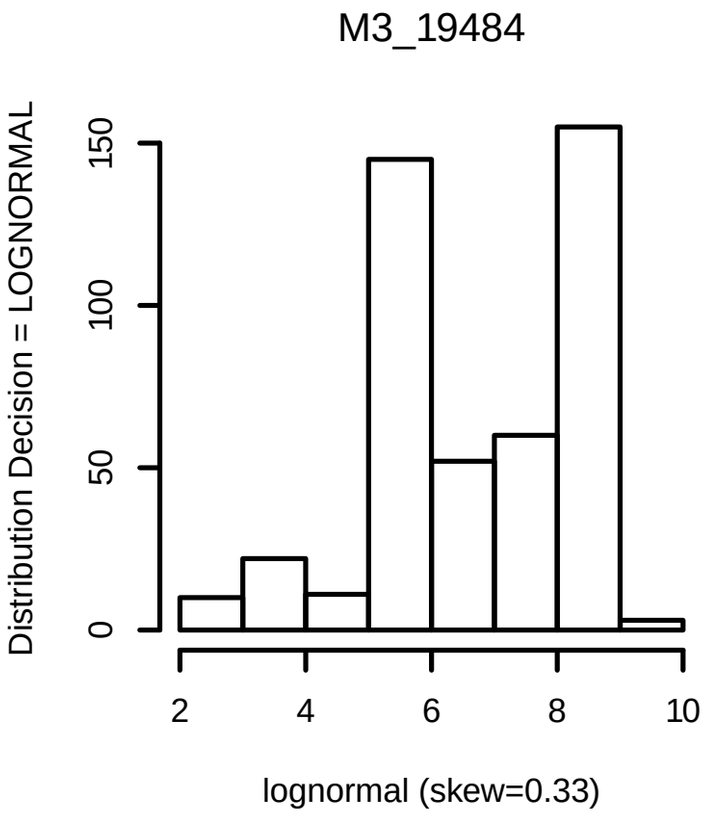

M3_39966
Distribution Decision = NORMAL
0
100
200
300
400
0
10000
20000
30000
40000
normal (skew=1)

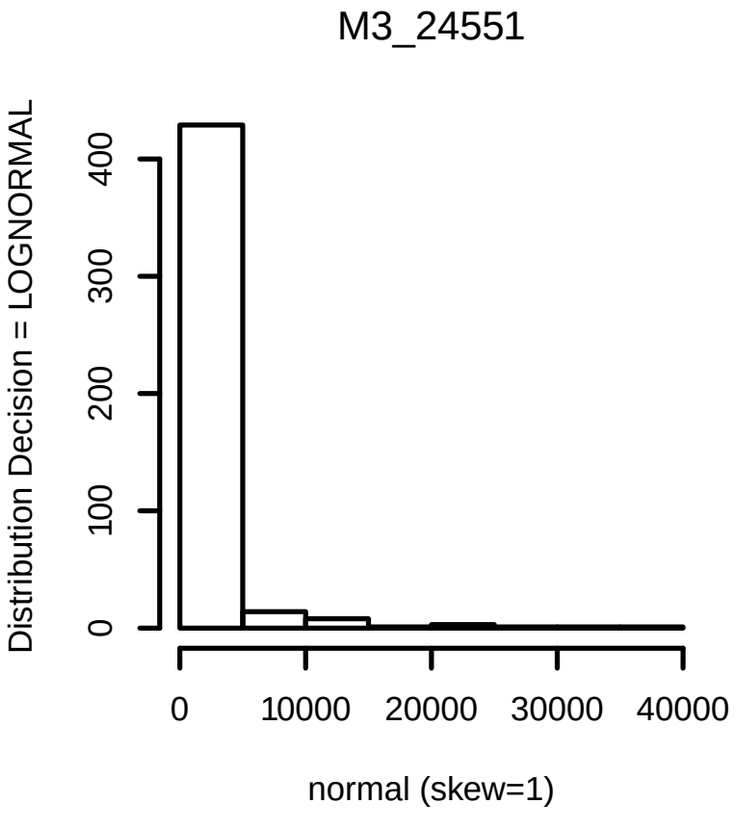

M3_39966
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
10
lognormal (skew=3.2)

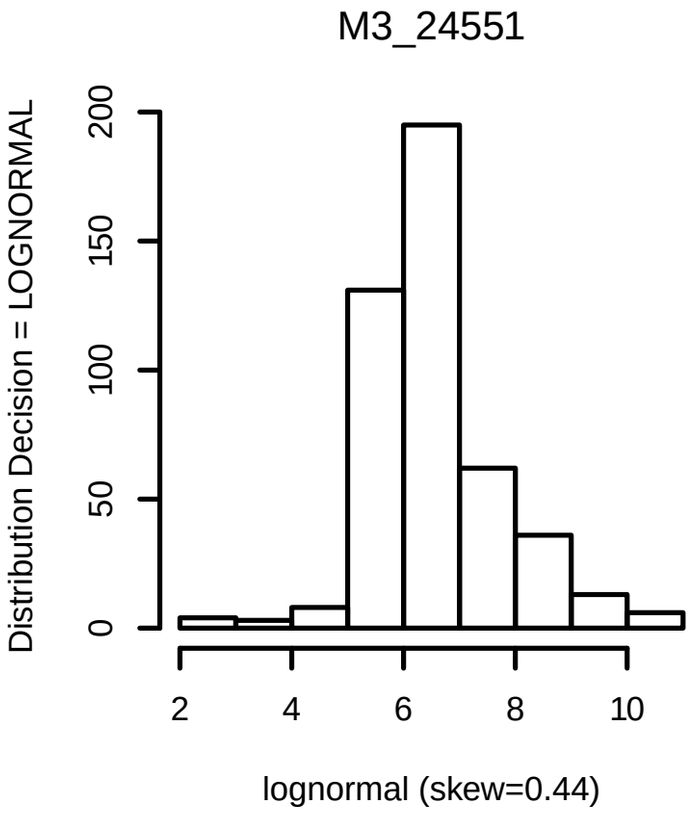

M3_11888
Distribution Decision = LOGNORMAL
0
50
100
150
0
2000
4000
6000
8000
normal (skew=0.78)

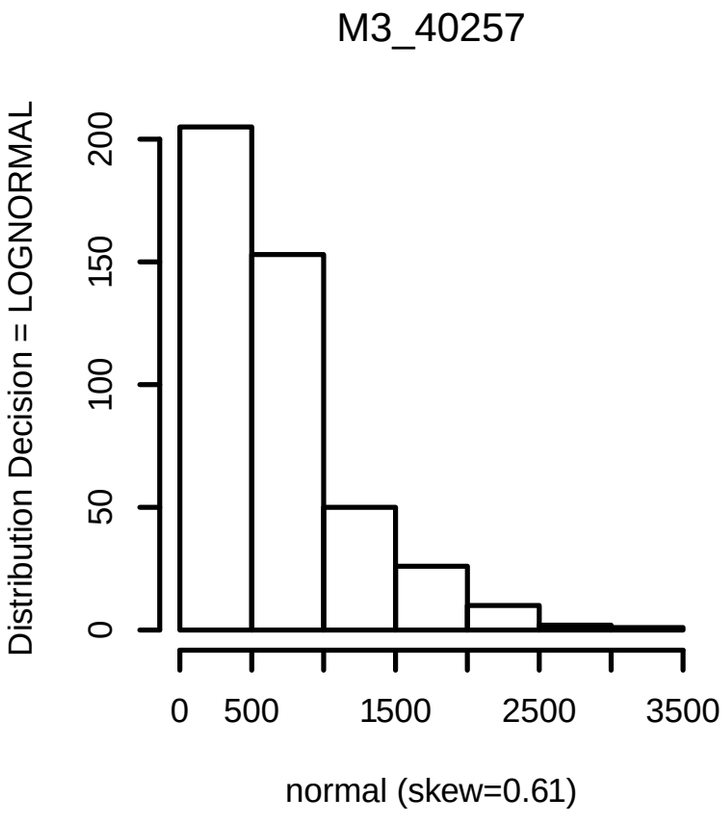

M3_11888
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
2
4
6
8
10
lognormal (skew=0.048)

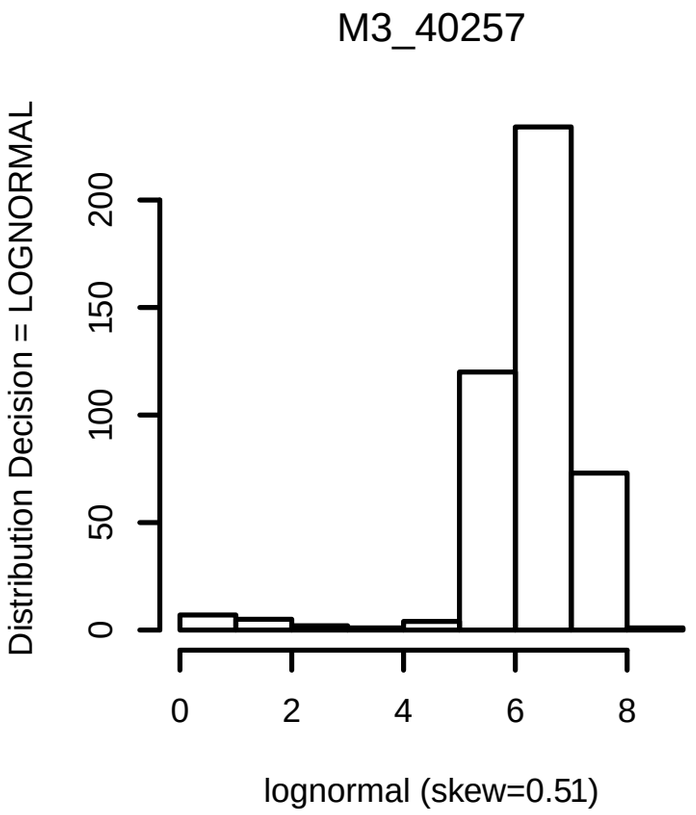

M3_19484
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
10000
15000
normal (skew=1)

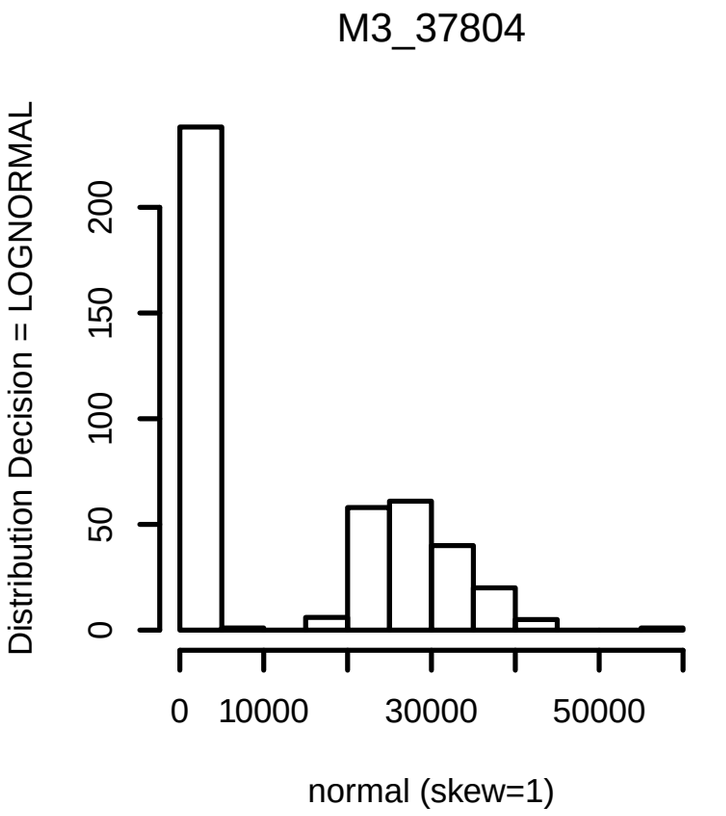

M3_19484
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.33)

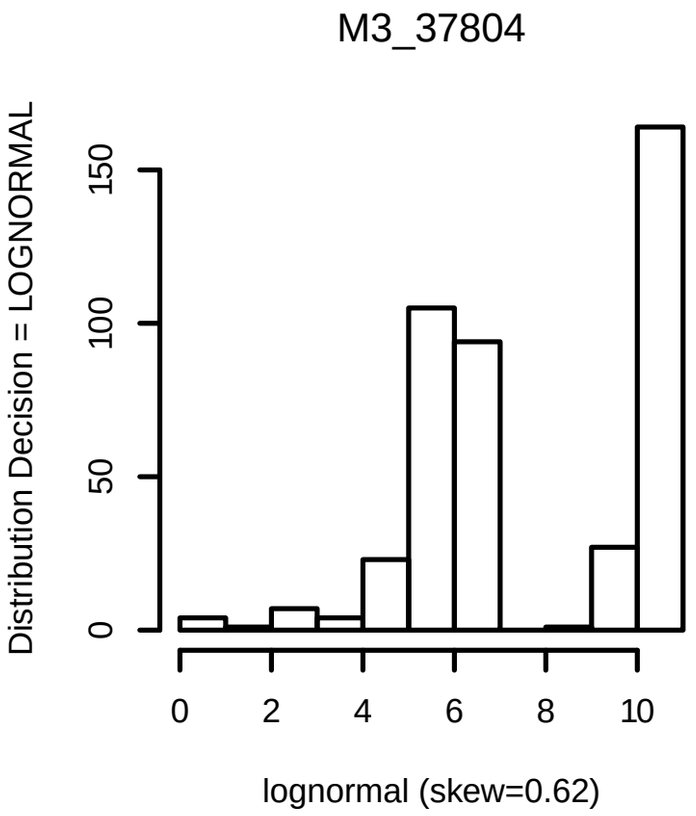

M3_24551
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
10000
20000
30000
40000
normal (skew=1)

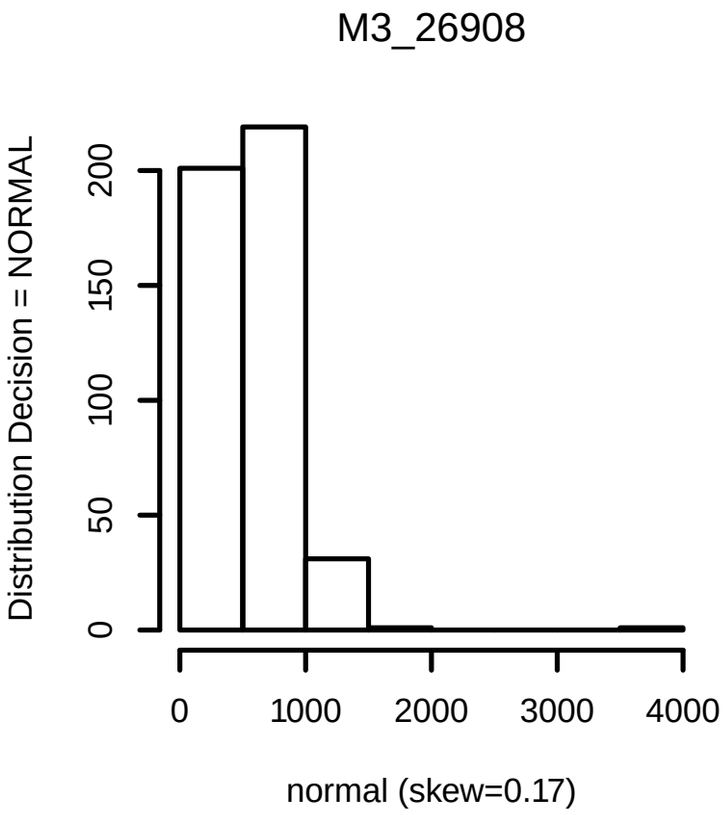

M3_24551
Distribution Decision = LOGNORMAL
0
50
100
150
200
2
4
6
8
10
lognormal (skew=0.44)

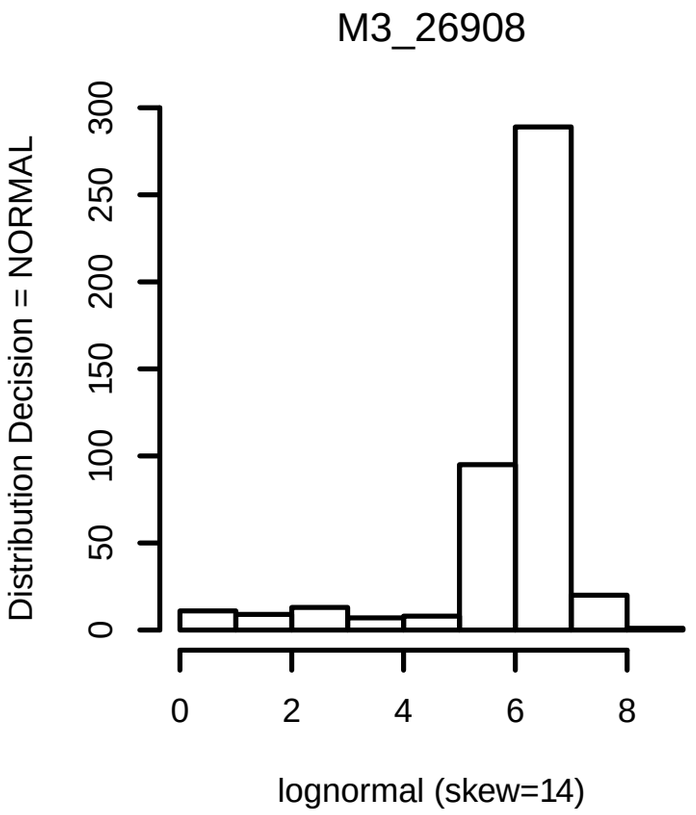

M3_40257
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.61)

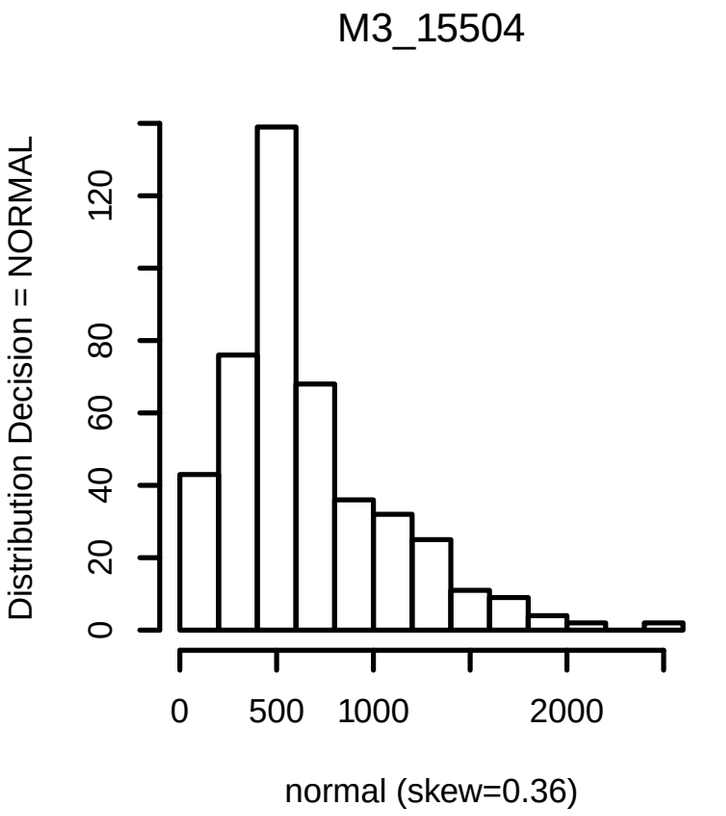

M3_40257
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.51)

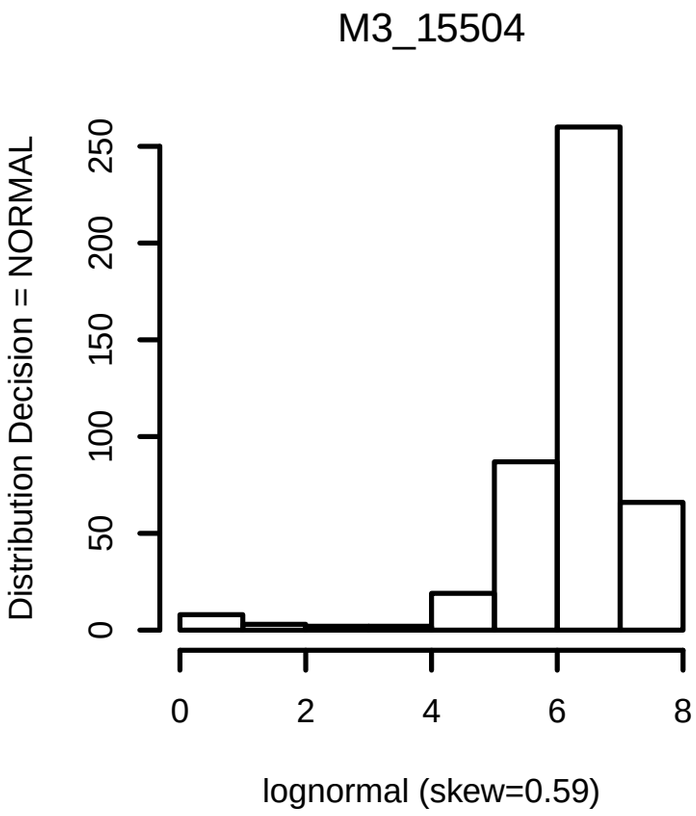

M3_37804
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
10000
30000
50000
normal (skew=1)

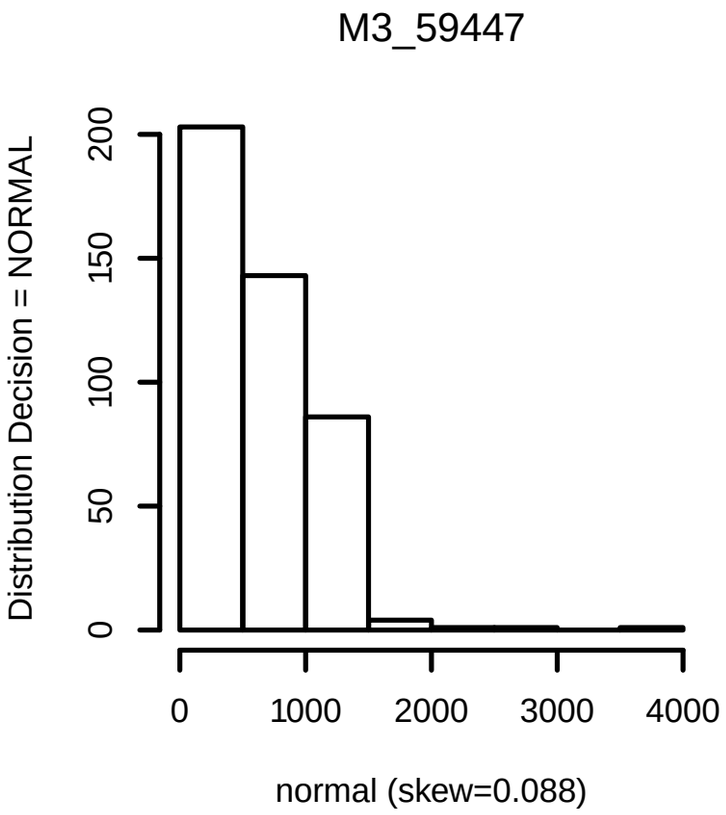

M3_37804
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.62)

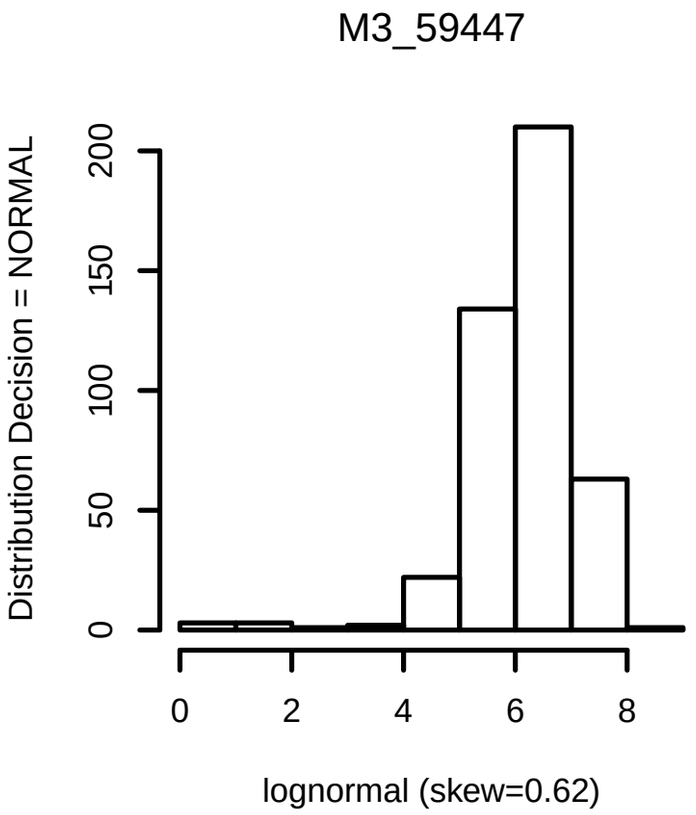

M3_26908
Distribution Decision = NORMAL
0
50
100
150
200
0
1000
2000
3000
4000
normal (skew=0.17)

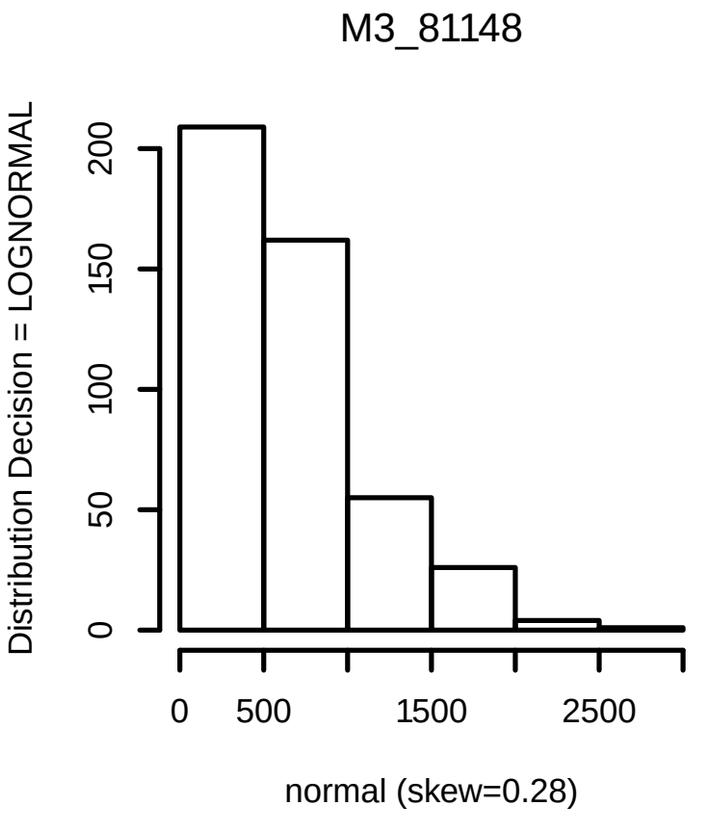

M3_26908
Distribution Decision = NORMAL
0
50
100
150
200
250
300
0
2
4
6
8
lognormal (skew=14)

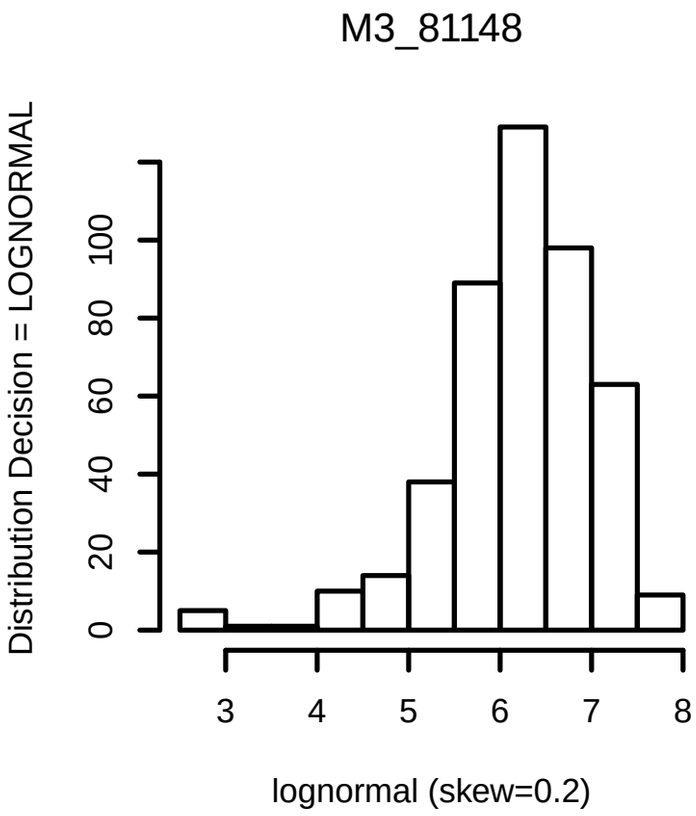

M3_15504
Distribution Decision = NORMAL
0
20
40
60
80
120
0
500
1000
2000
normal (skew=0.36)

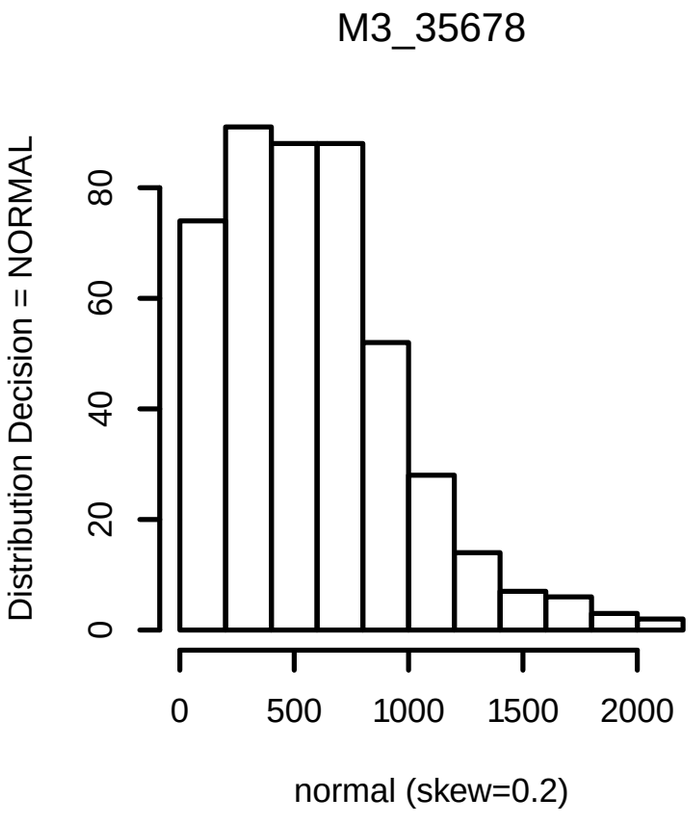

M3_15504
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.59)

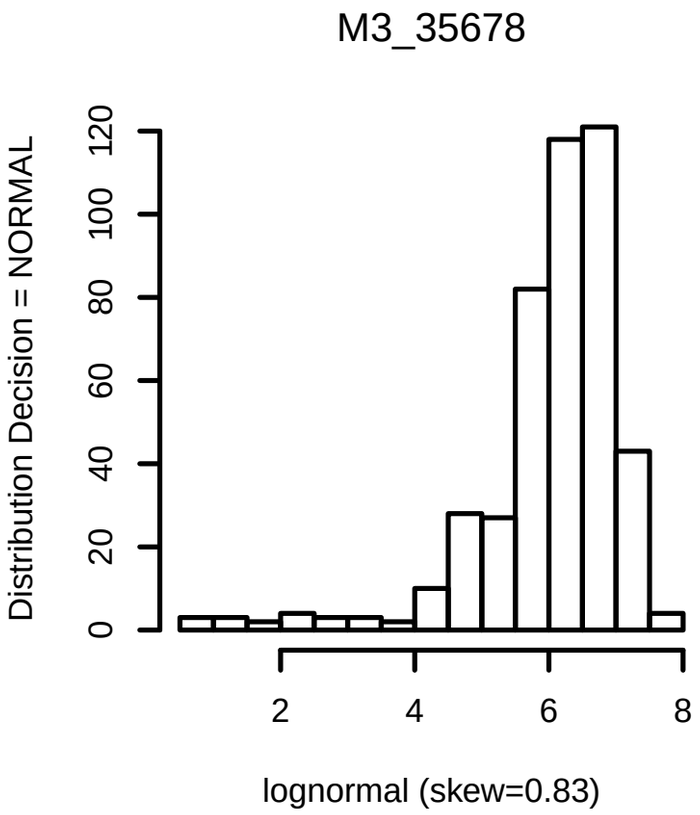

M3_59447
Distribution Decision = NORMAL
0
50
100
150
200
0
1000
2000
3000
4000
normal (skew=0.088)

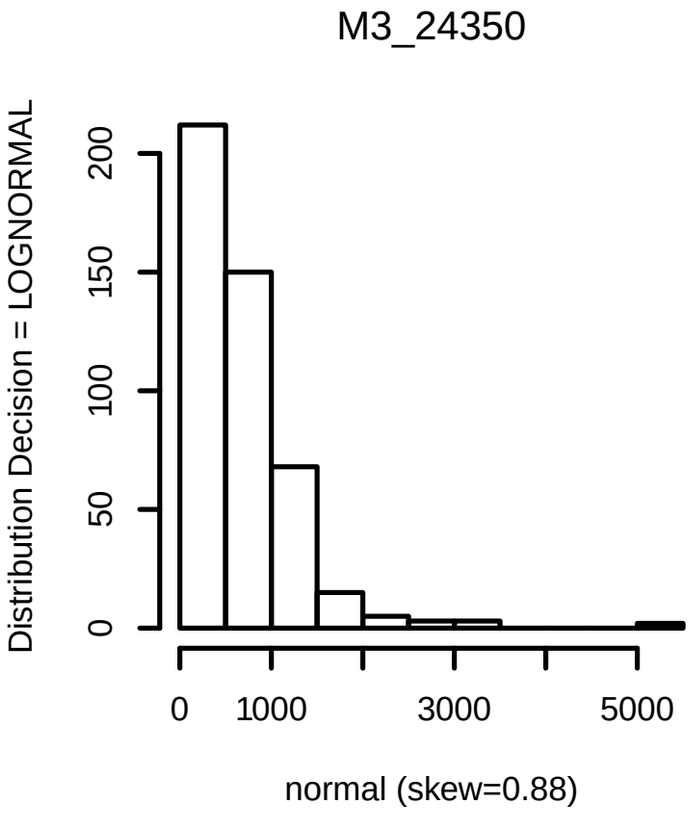

M3_59447
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.62)

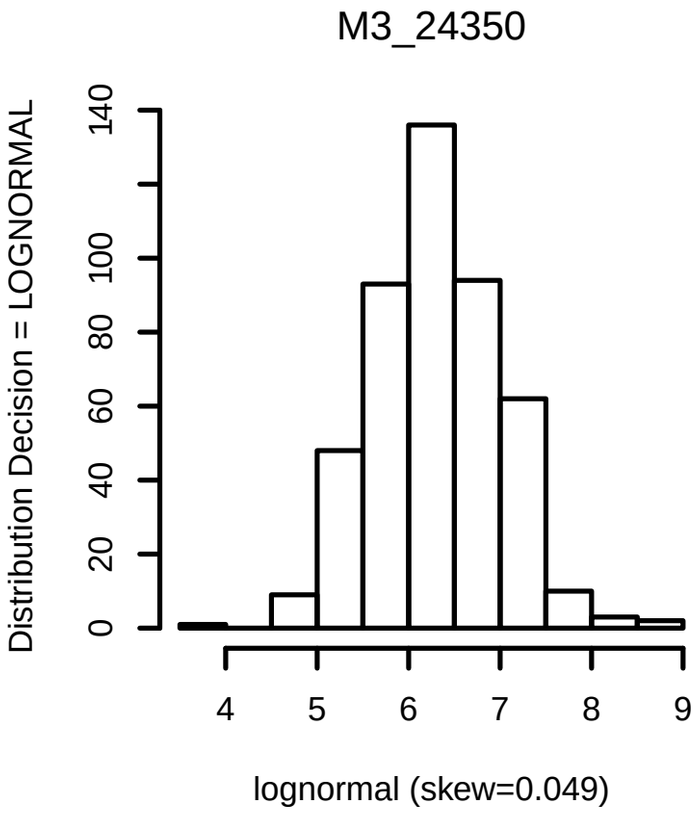

M3_81148
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1500
2500
normal (skew=0.28)

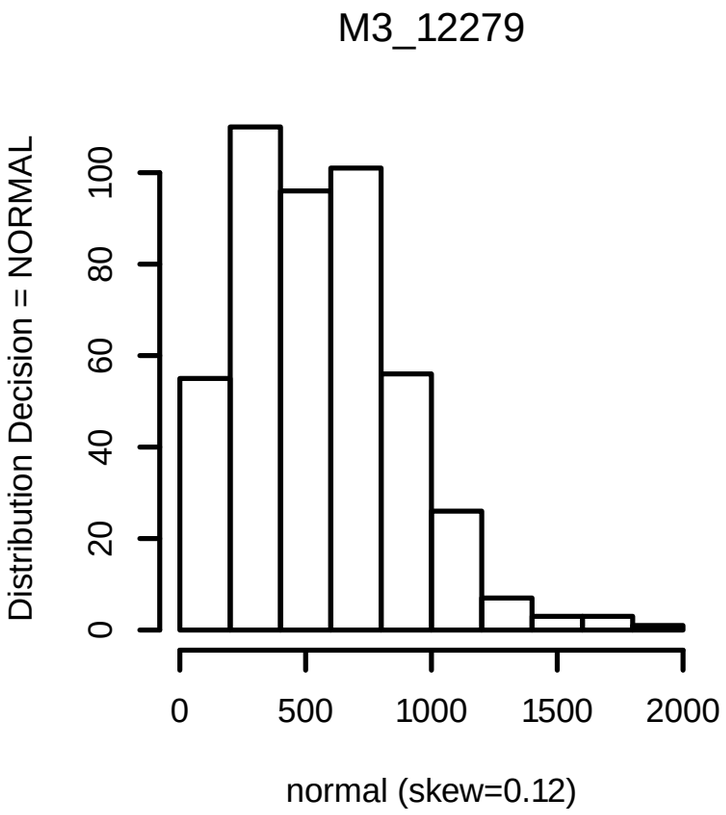

M3_81148
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
3
4
5
6
7
8
lognormal (skew=0.2)

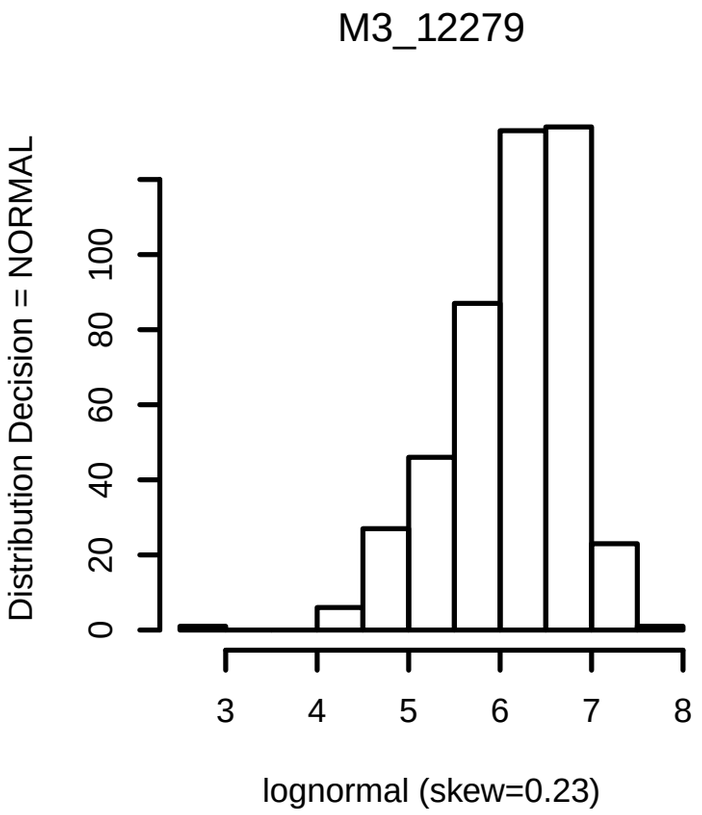

M3_35678
Distribution Decision = NORMAL
0
20
40
60
80
0
500
1000
1500
2000
normal (skew=0.2)

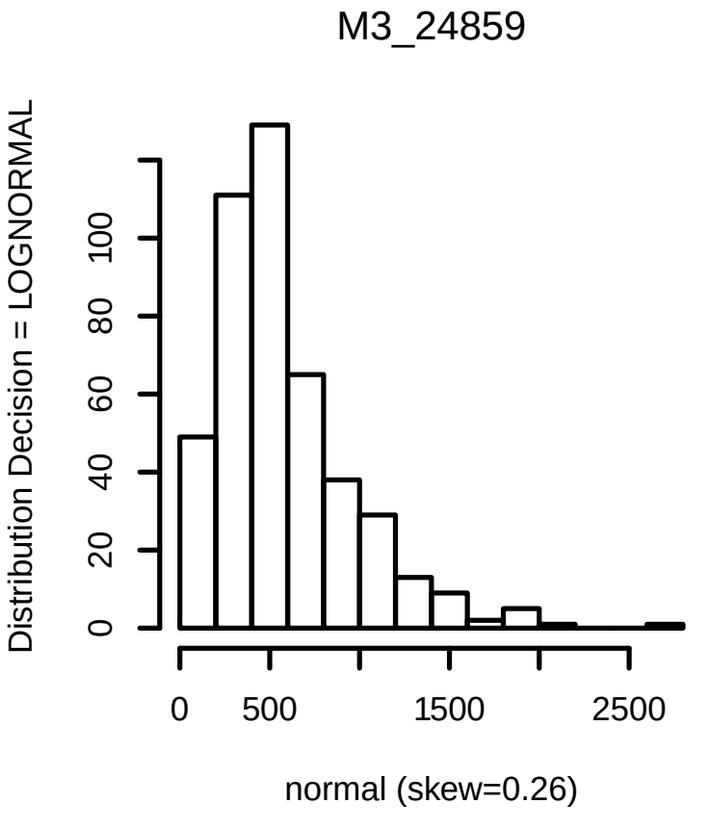

M3_35678
Distribution Decision = NORMAL
0
20
40
60
80
100
120
2
4
6
8
lognormal (skew=0.83)

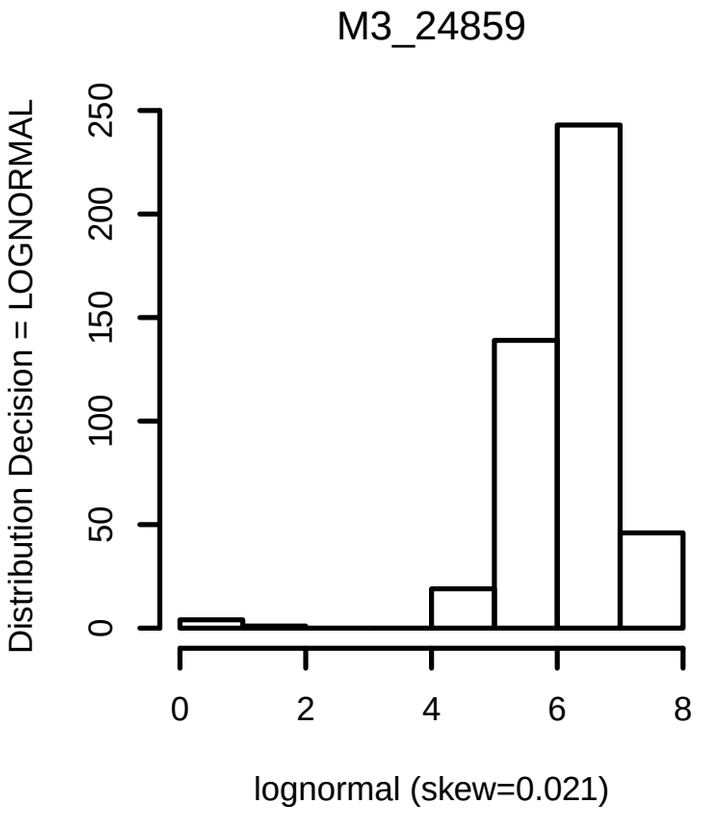

M3_24350
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
3000
5000
normal (skew=0.88)

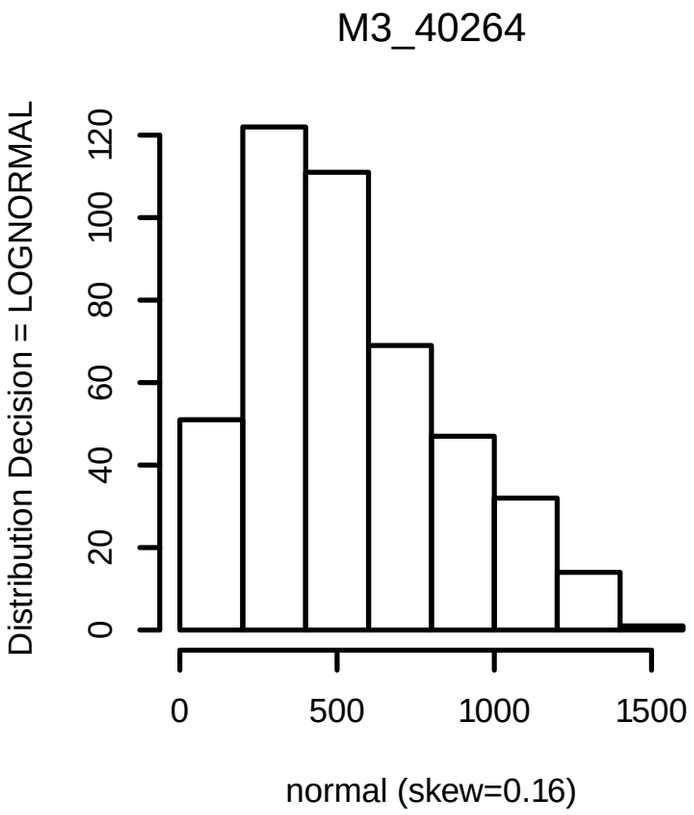

M3_24350
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
4
5
6
7
8
9
lognormal (skew=0.049)

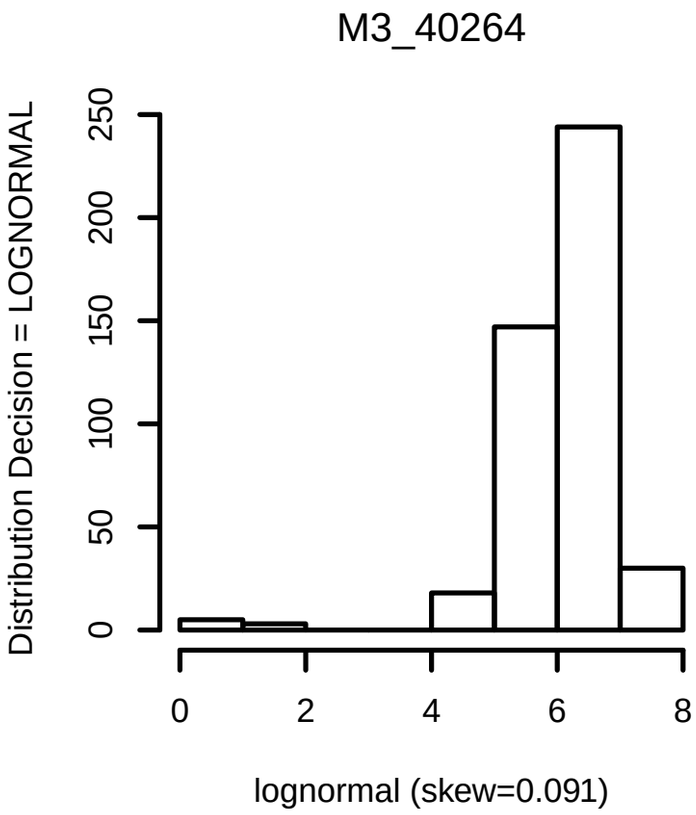

M3_12279
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
2000
normal (skew=0.12)

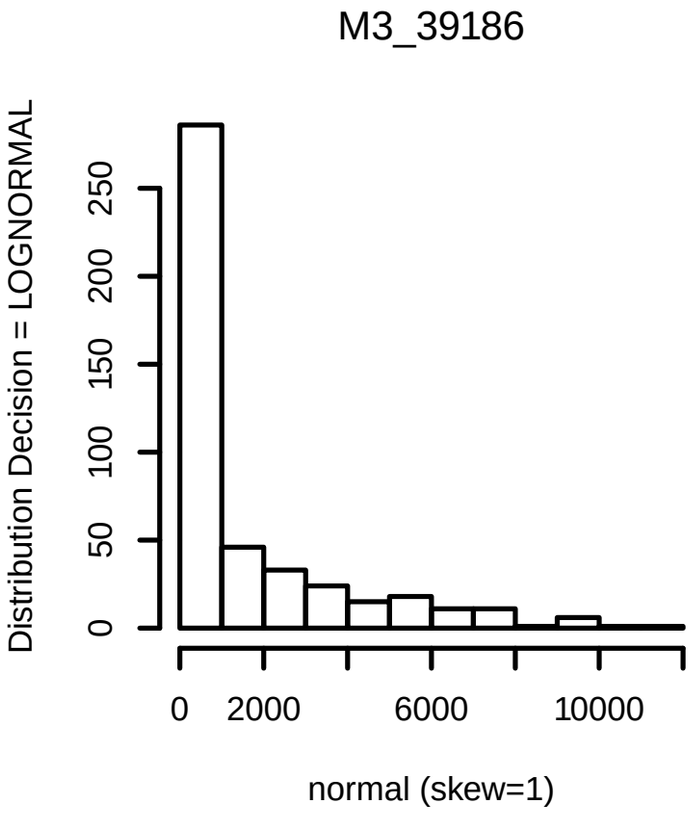

M3_12279
Distribution Decision = NORMAL
0
20
40
60
80
100
3
4
5
6
7
8
lognormal (skew=0.23)

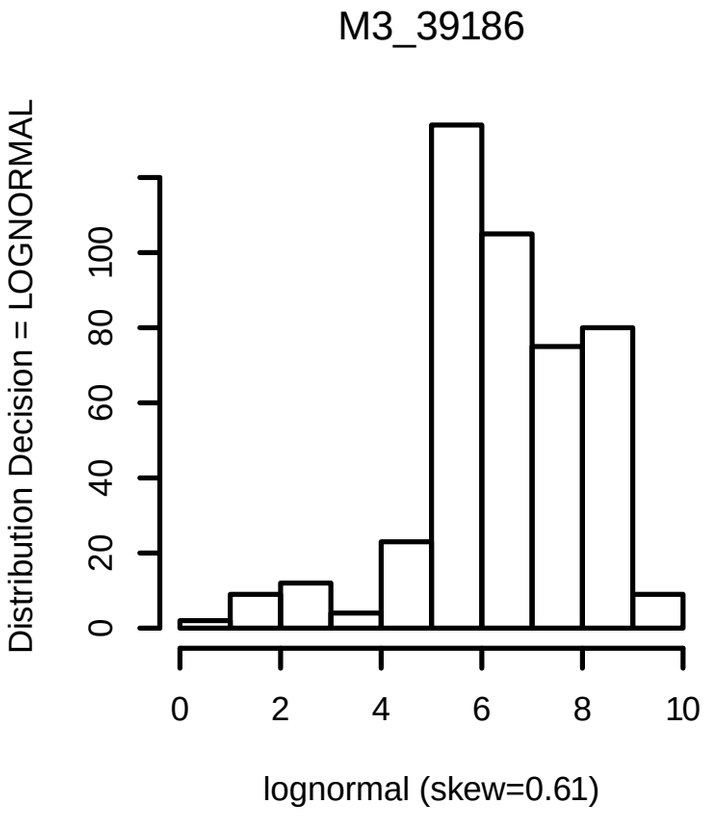

M3_24859
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
500
1500
2500
normal (skew=0.26)

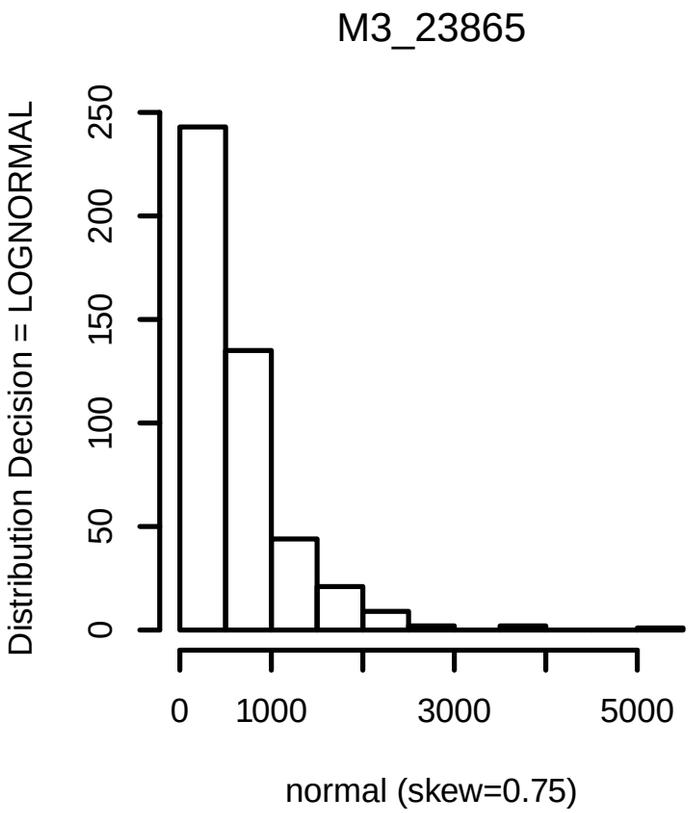

M3_24859
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.021)

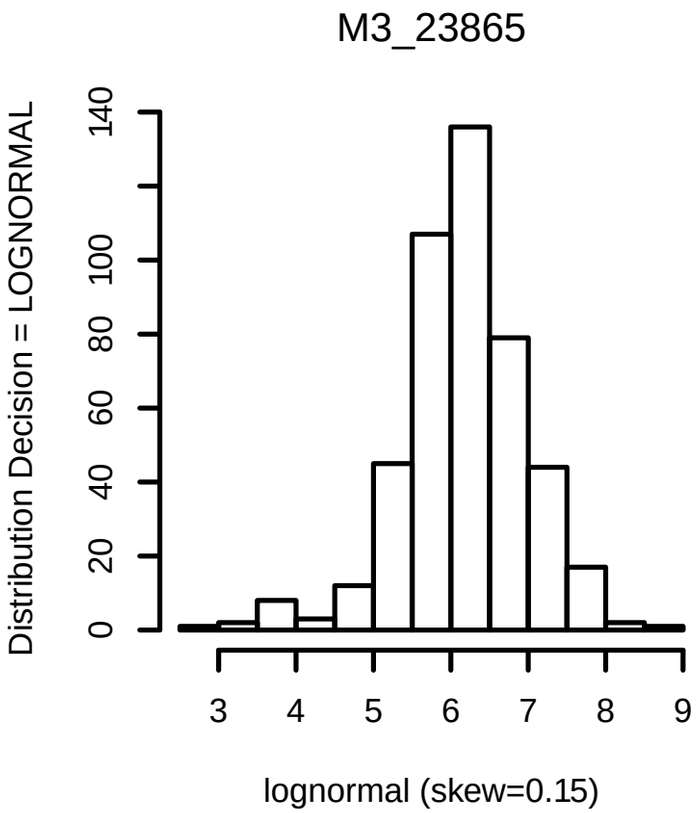

M3_40264
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
500
1000
1500
normal (skew=0.16)

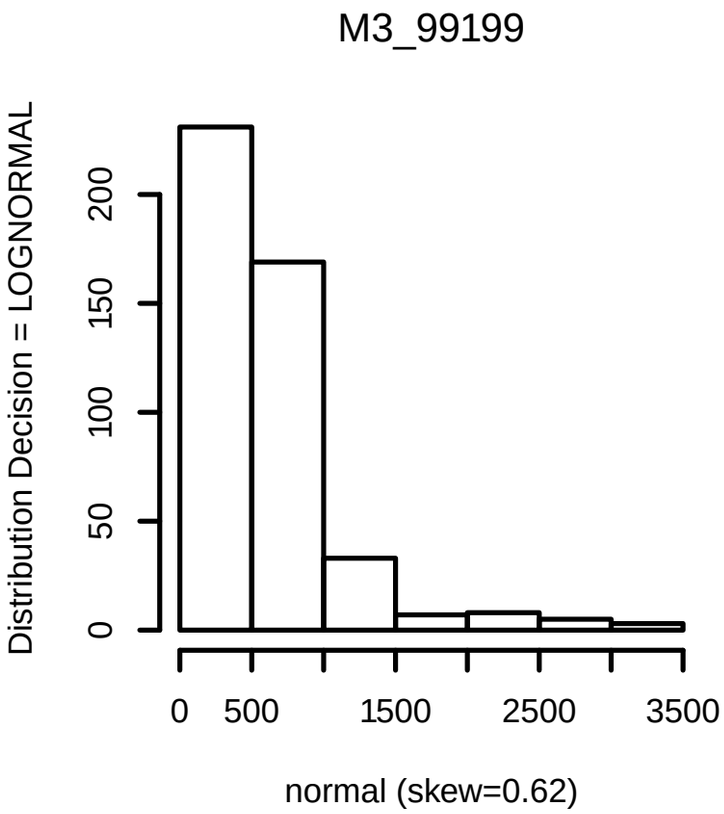

M3_40264
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.091)

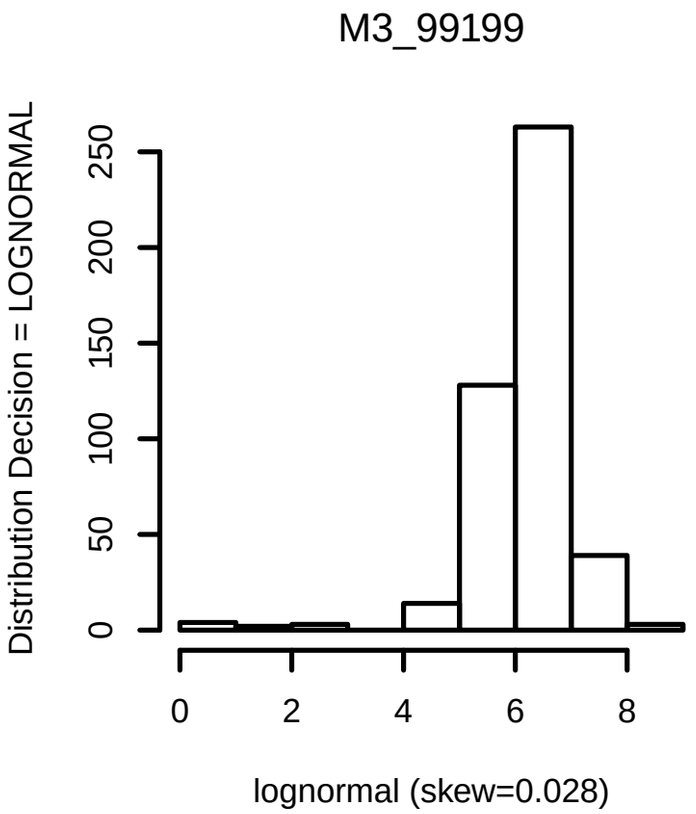

M3_39186
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2000
6000
10000
normal (skew=1)

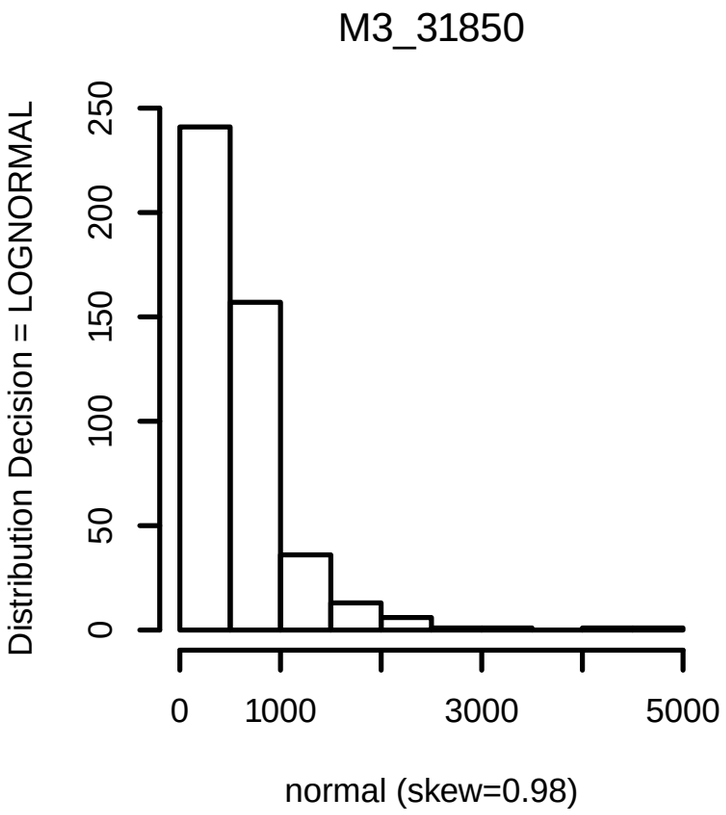

M3_39186
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2
4
6
8
10
lognormal (skew=0.61)

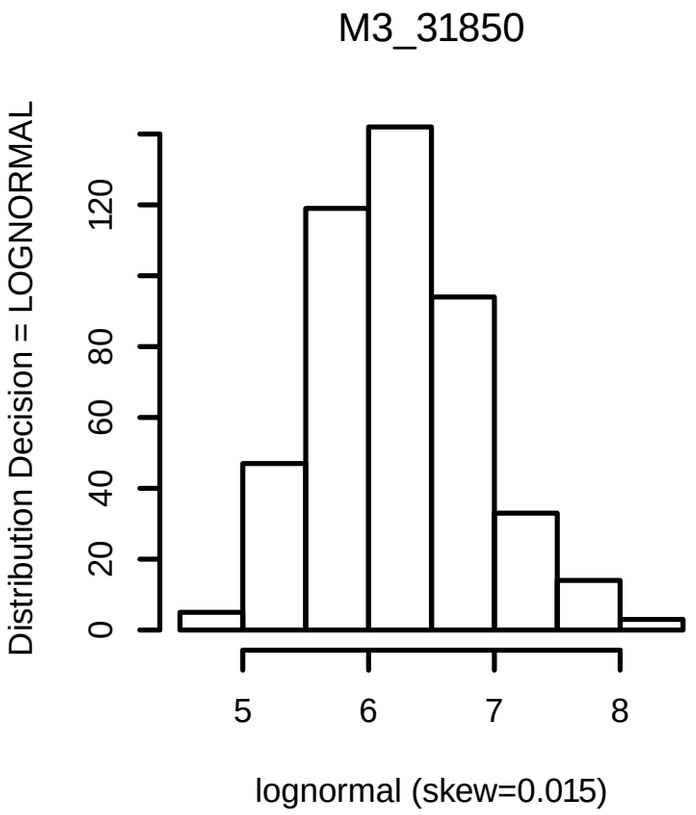

M3_23865
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
1000
3000
5000
normal (skew=0.75)

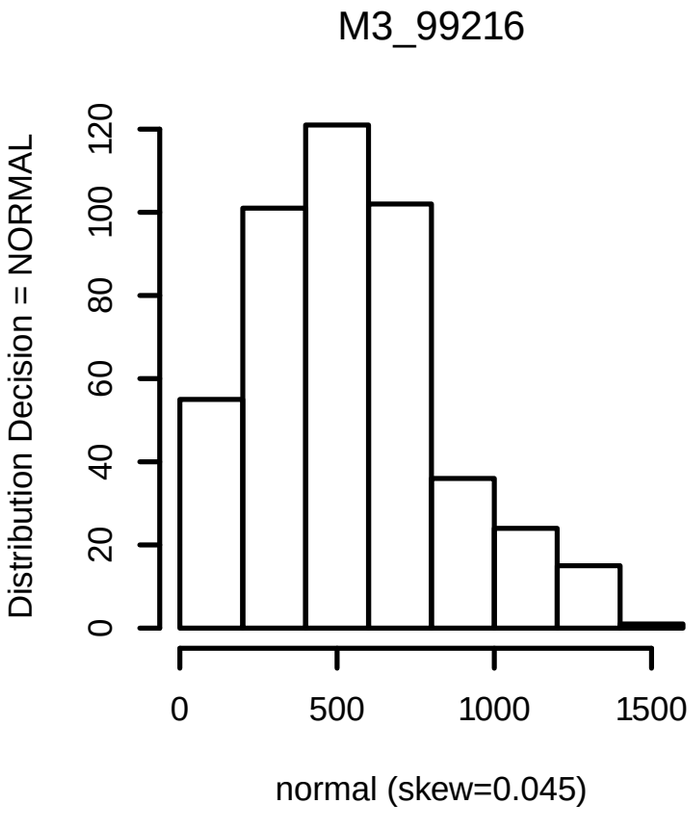

M3_23865
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
3
4
5
6
7
8
9
lognormal (skew=0.15)

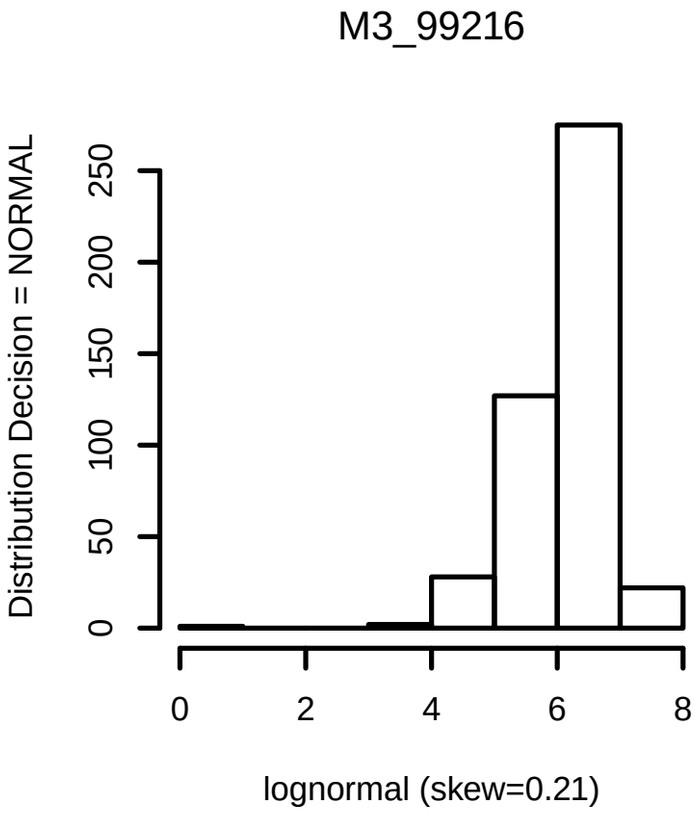

M3_99199
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.62)

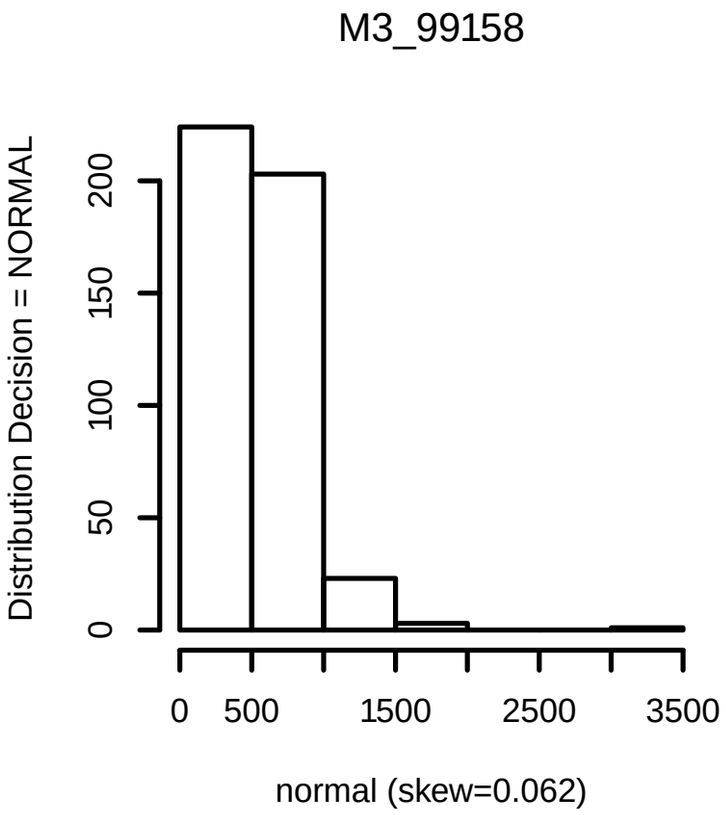

M3_99199
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.028)

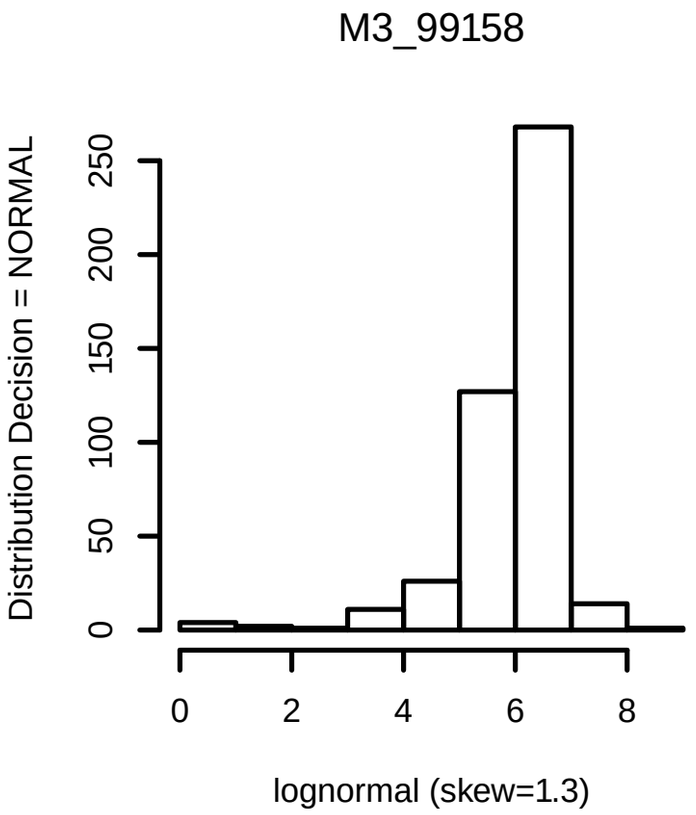

M3_31850
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
1000
3000
5000
normal (skew=0.98)

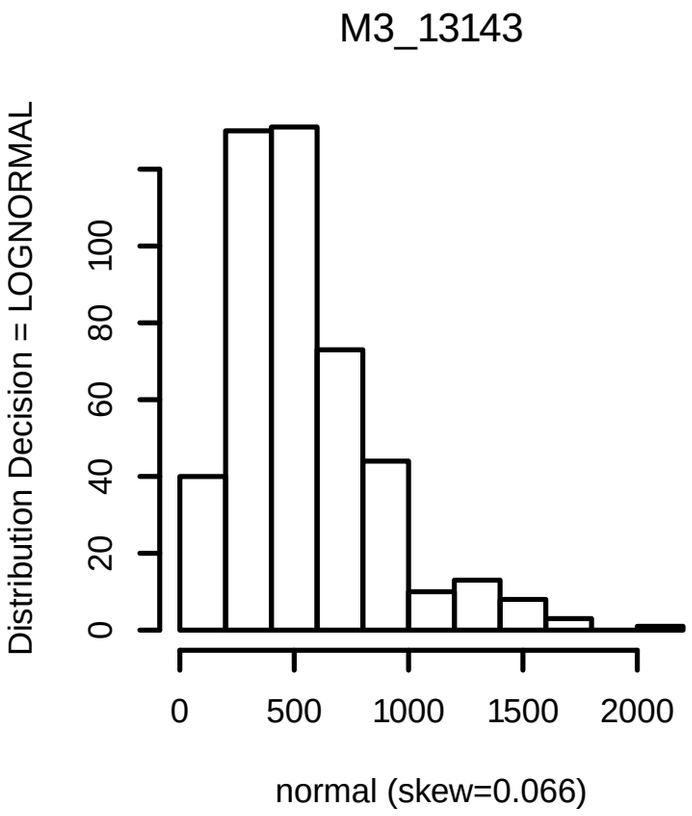

M3_31850
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
5
6
7
8
lognormal (skew=0.015)

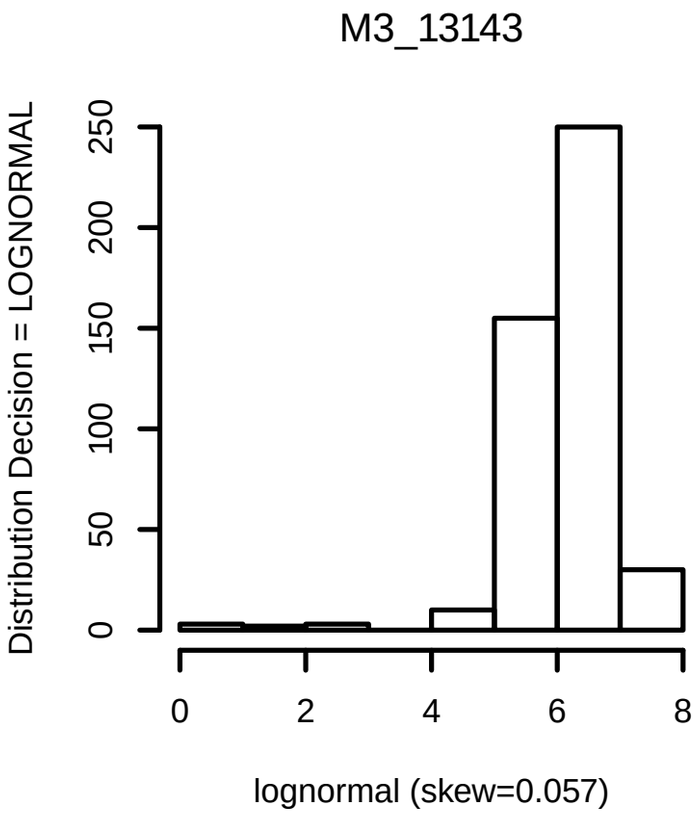

M3_99216
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
500
1000
1500
normal (skew=0.045)

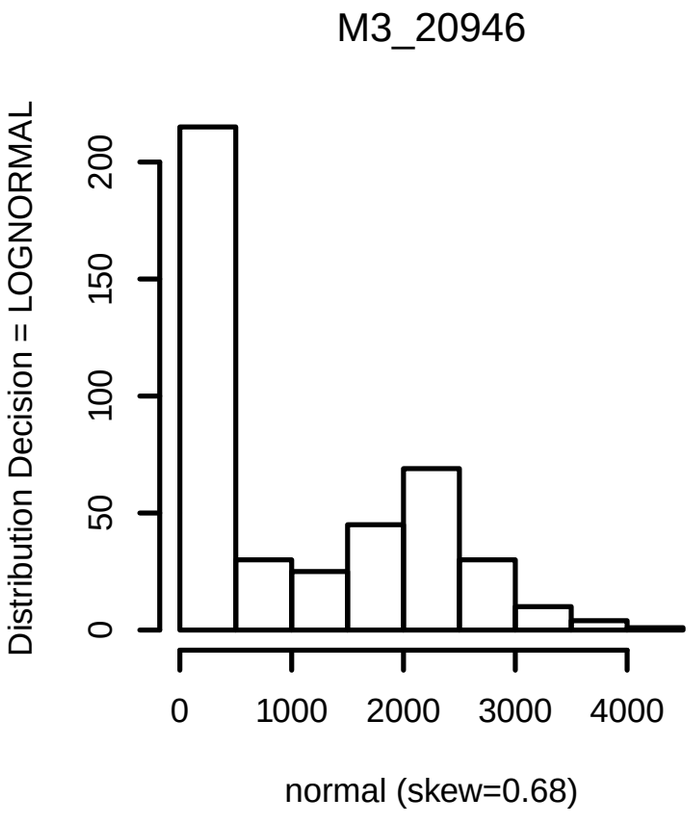

M3_99216
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.21)

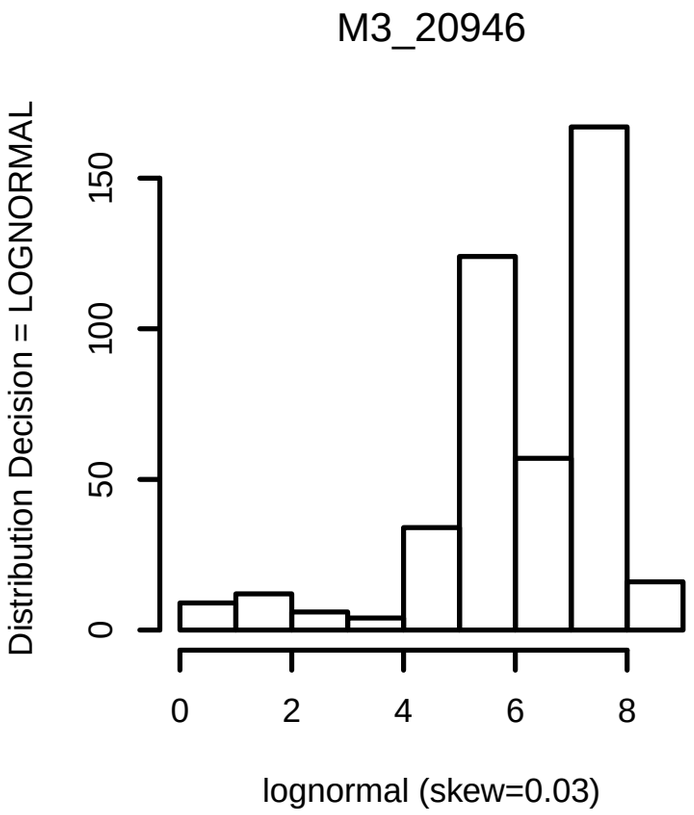

M3_99158
Distribution Decision = NORMAL
0
50
100
150
200
0
500
1500
2500
3500
normal (skew=0.062)

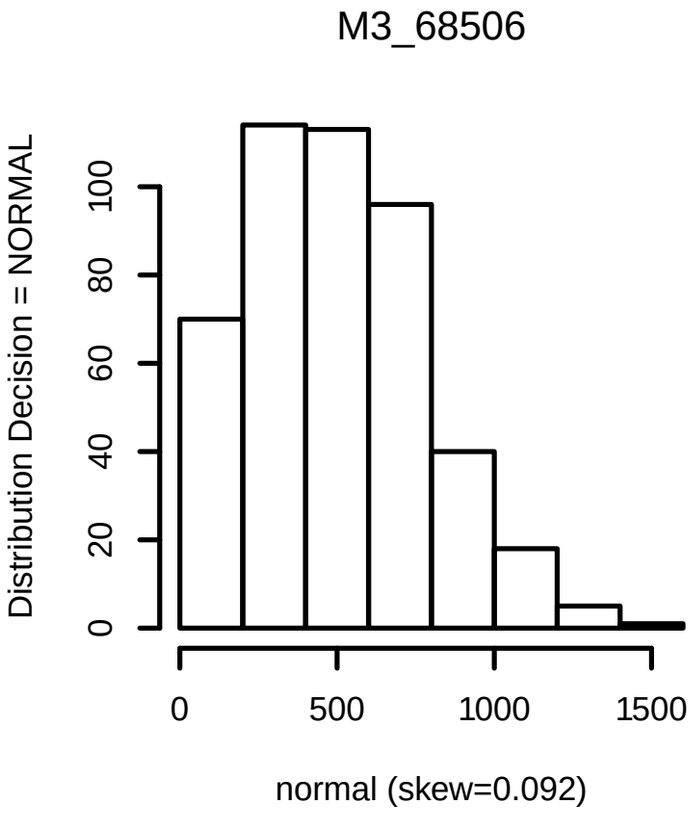

M3_99158
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=1.3)

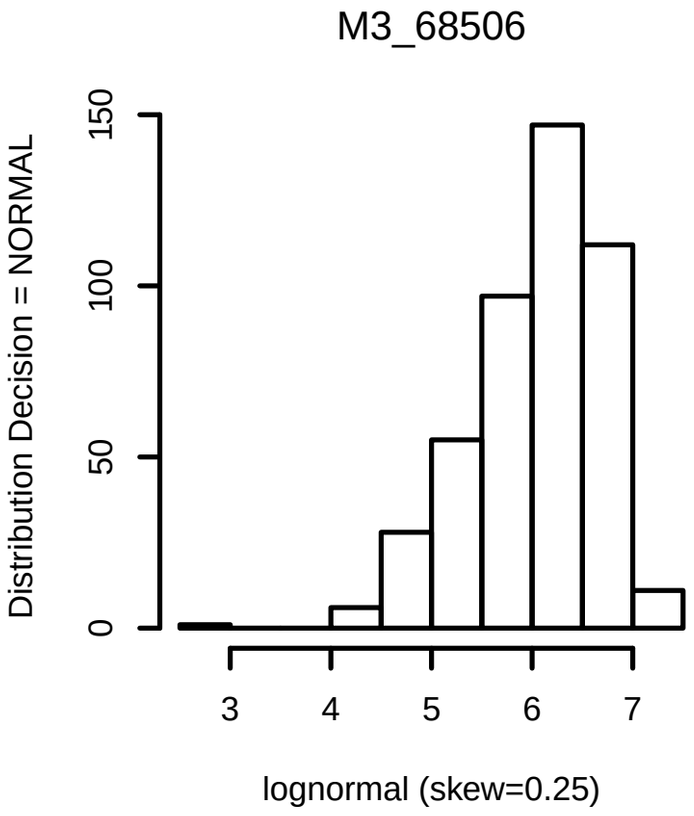

M3_13143
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
500
1000
1500
2000
normal (skew=0.066)

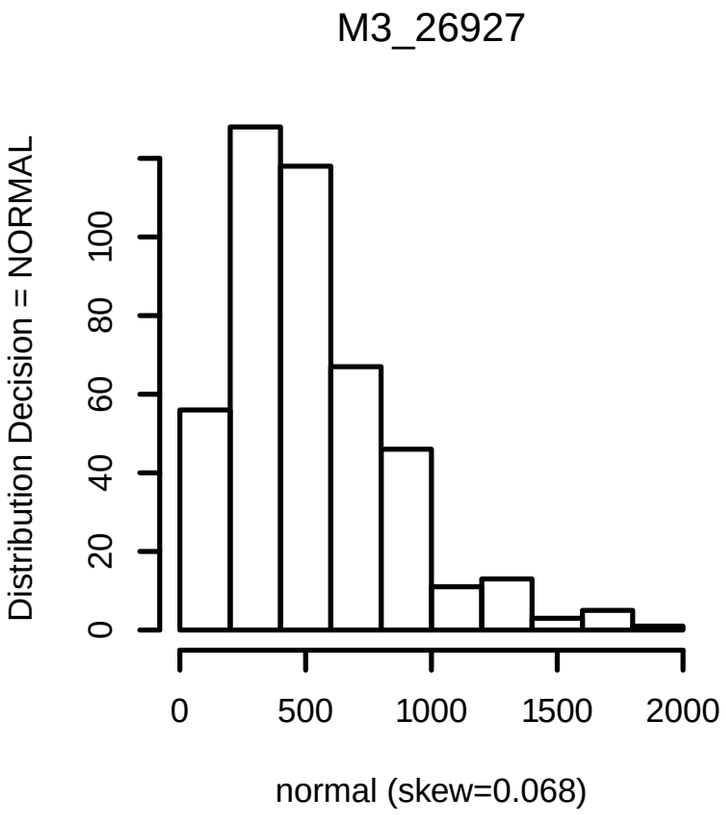

M3_13143
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.057)

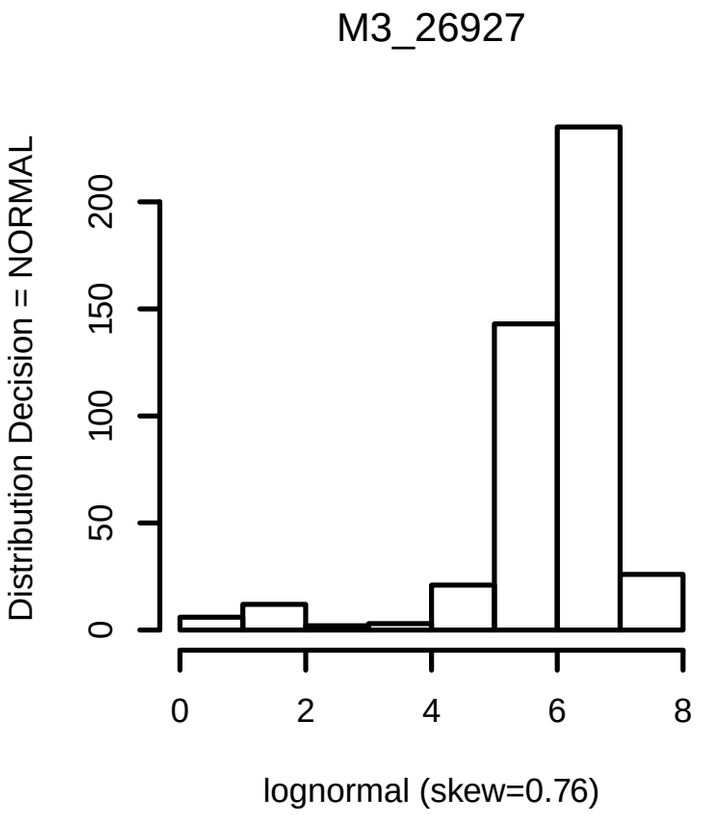

M3_20946
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
1000
2000
3000
4000
normal (skew=0.68)

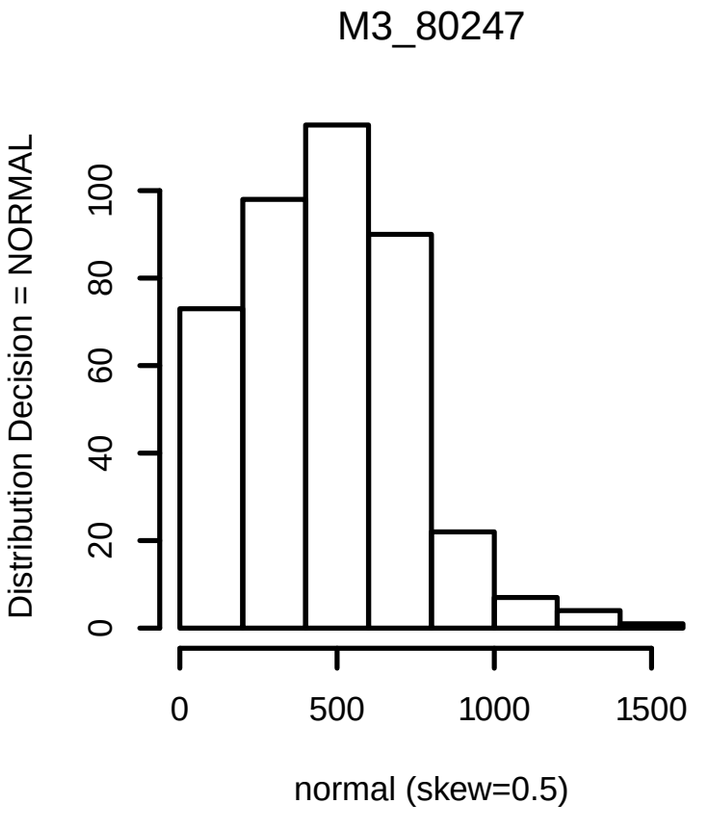

M3_20946
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.03)

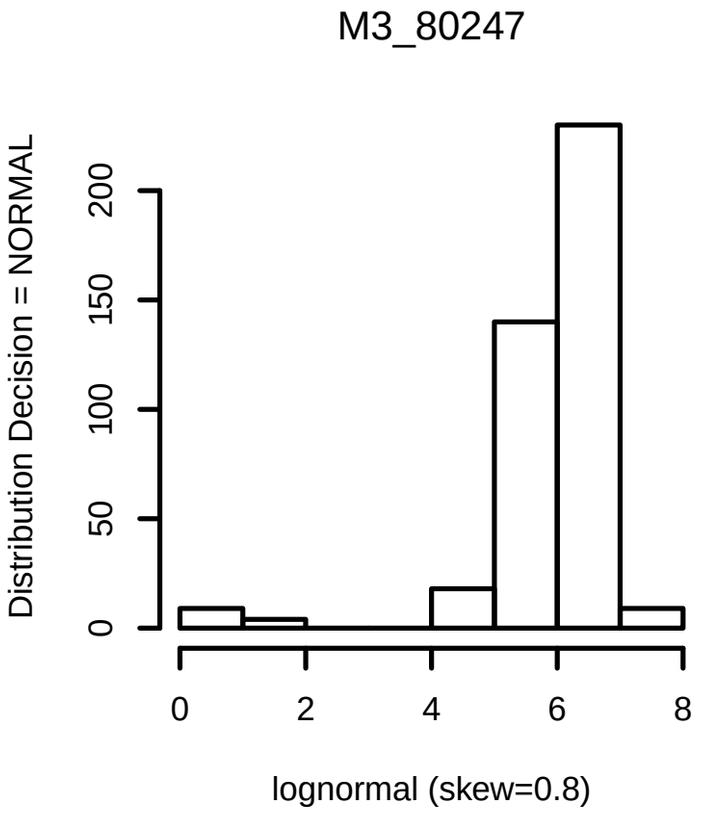

M3_68506
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
normal (skew=0.092)

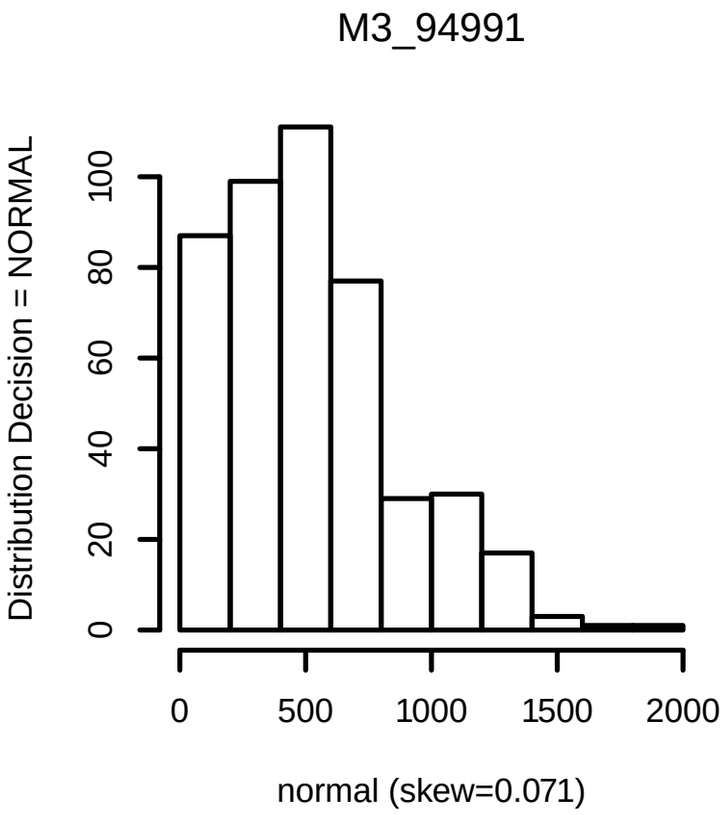

M3_68506
Distribution Decision = NORMAL
0
50
100
150
3
4
5
6
7
lognormal (skew=0.25)

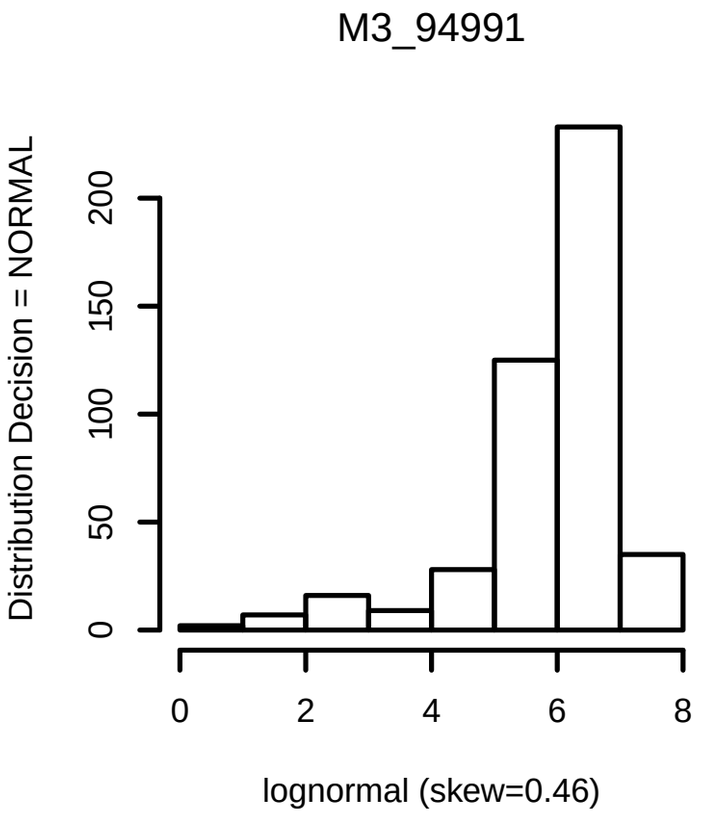

M3_26927
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
2000
normal (skew=0.068)

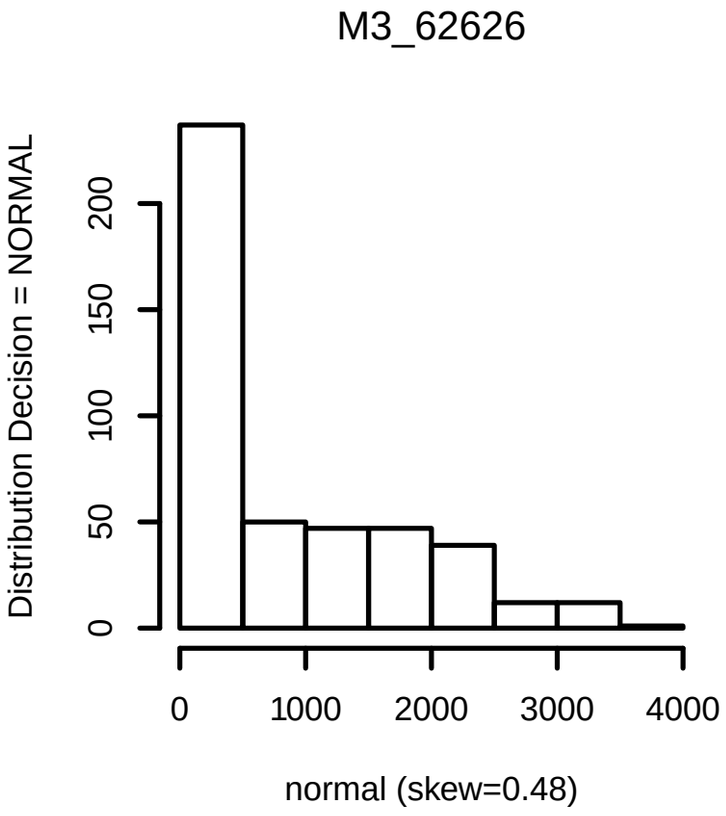

M3_26927
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.76)

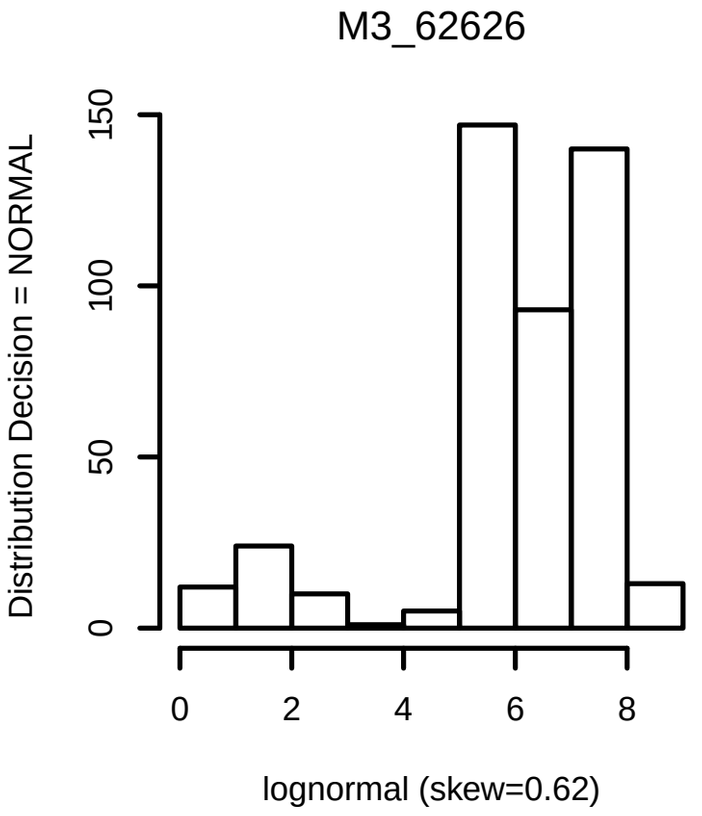

M3_80247
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
normal (skew=0.5)

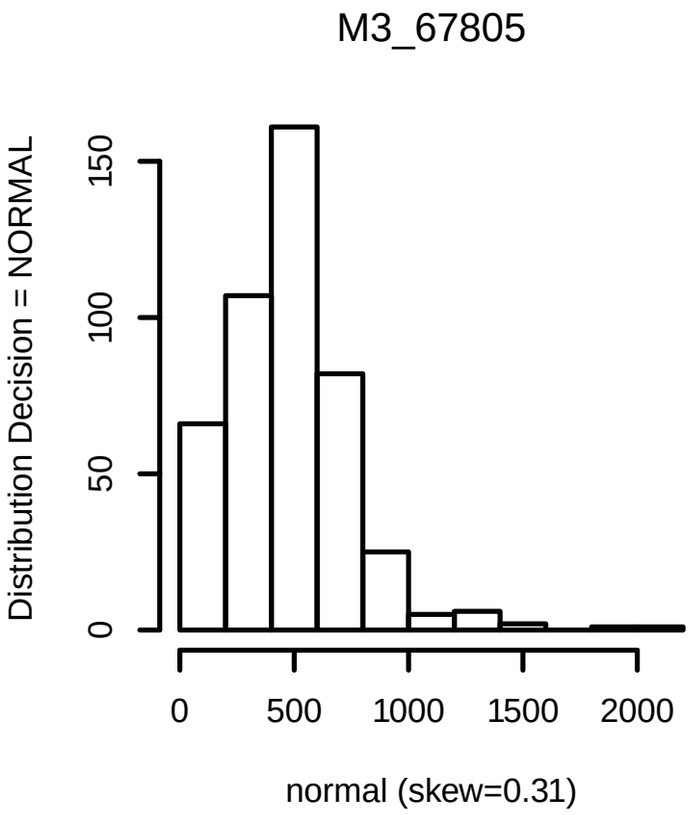

M3_80247
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.8)

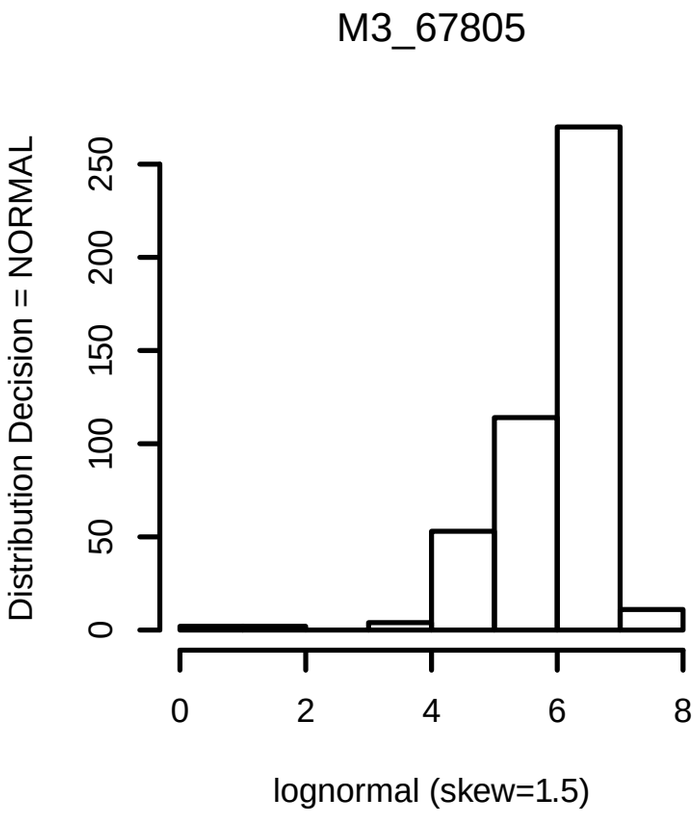

M3_94991
Distribution Decision = NORMAL
0
20
40
60
80
100
0
500
1000
1500
2000
normal (skew=0.071)

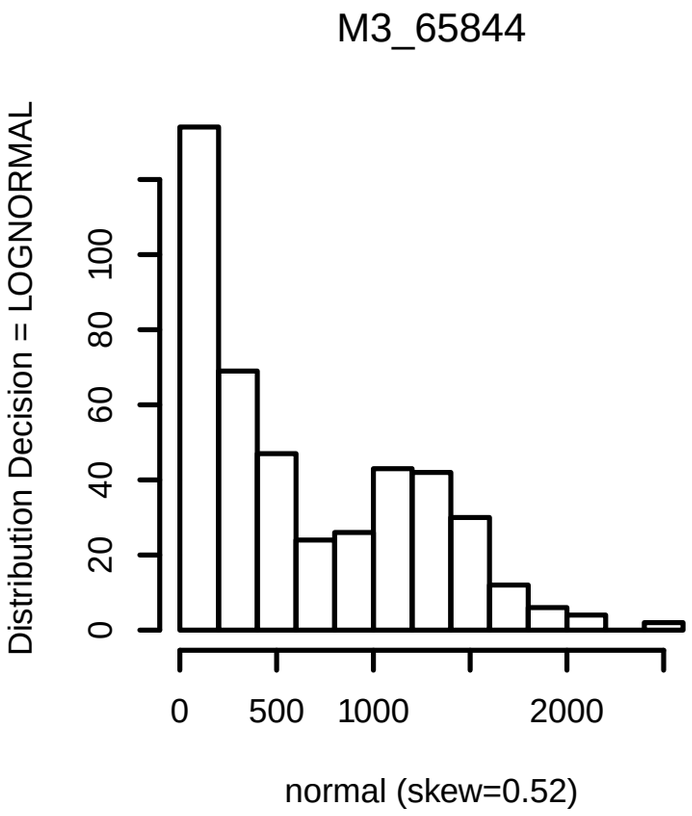

M3_94991
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.46)

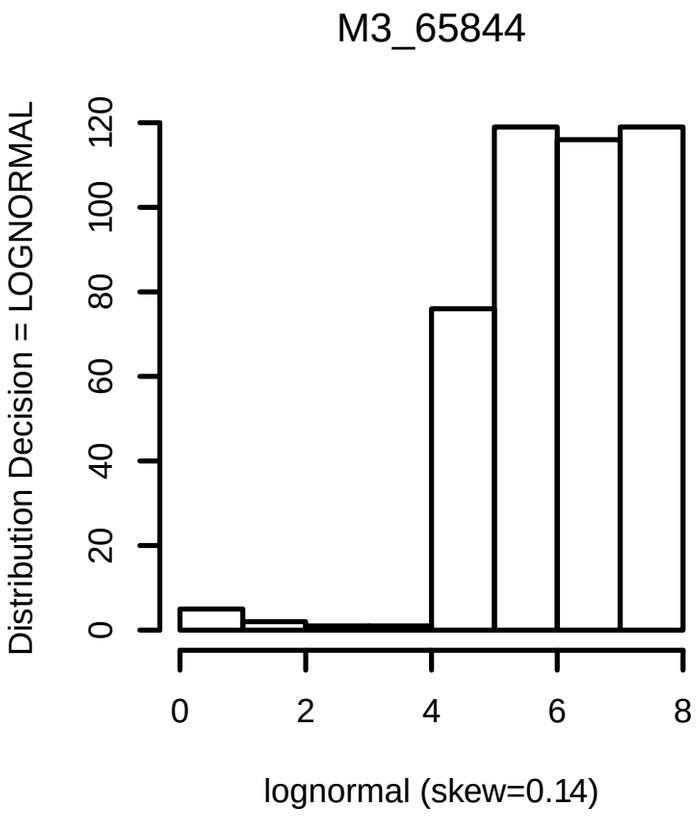

M3_62626
Distribution Decision = NORMAL
0
50
100
150
200
0
1000
2000
3000
4000
normal (skew=0.48)

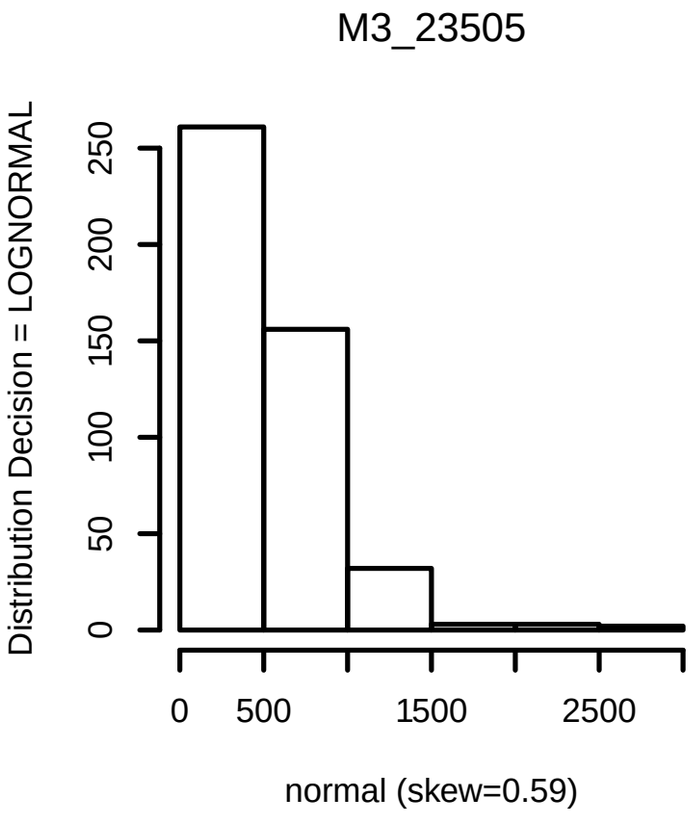

M3_62626
Distribution Decision = NORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.62)

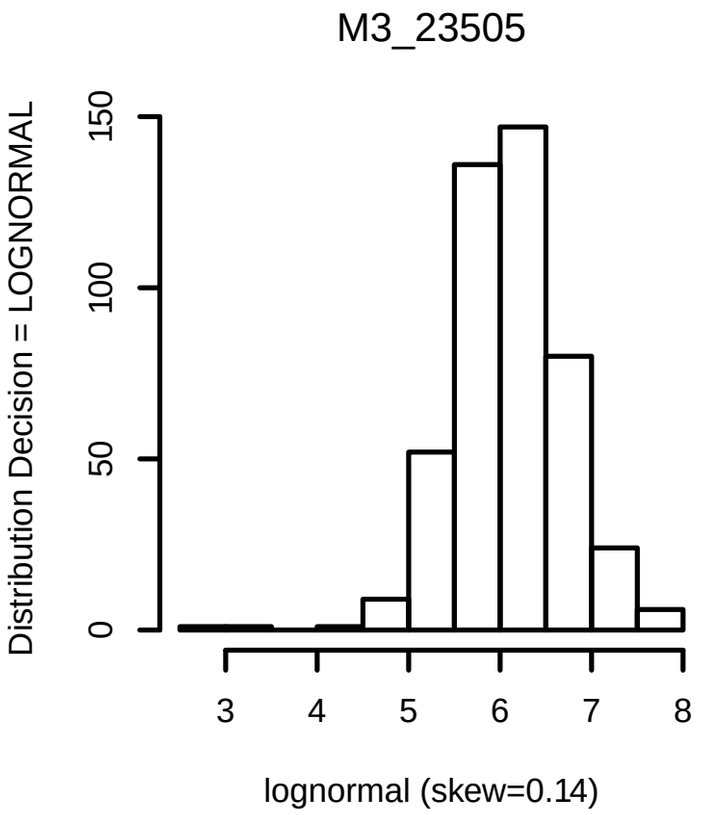

M3_67805
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.31)

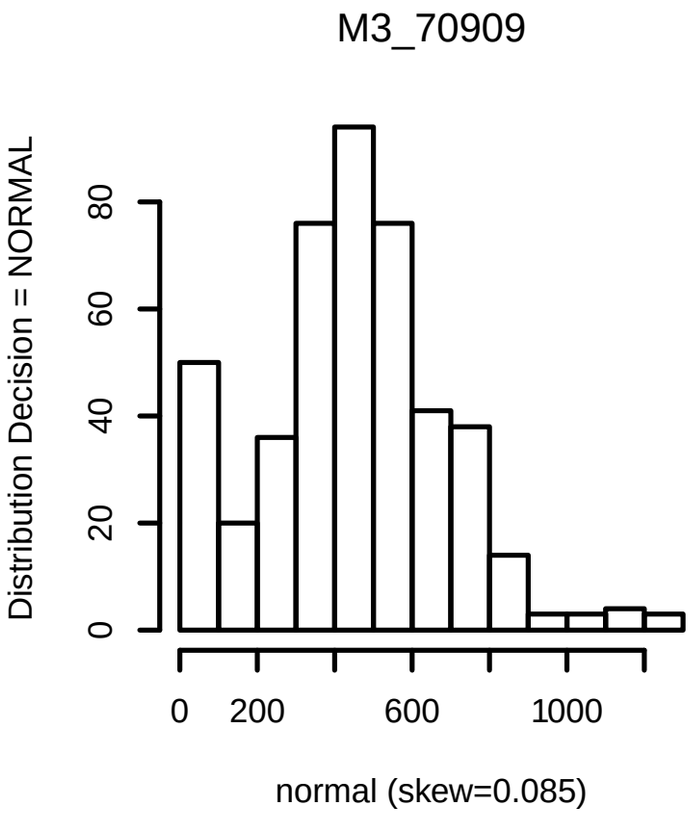

M3_67805
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=1.5)

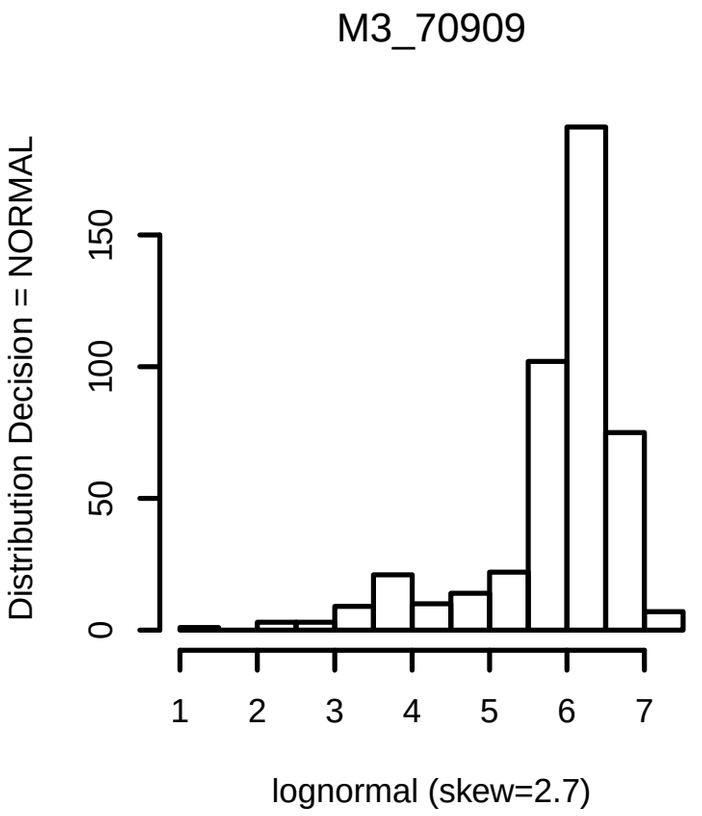

M3_65844
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
500
1000
2000
normal (skew=0.52)

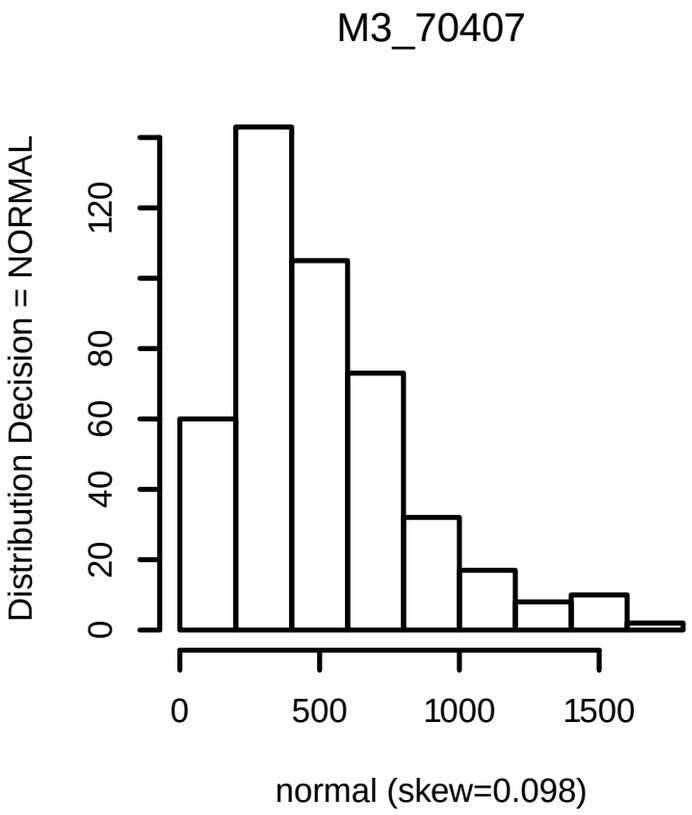

M3_65844
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
2
4
6
8
lognormal (skew=0.14)

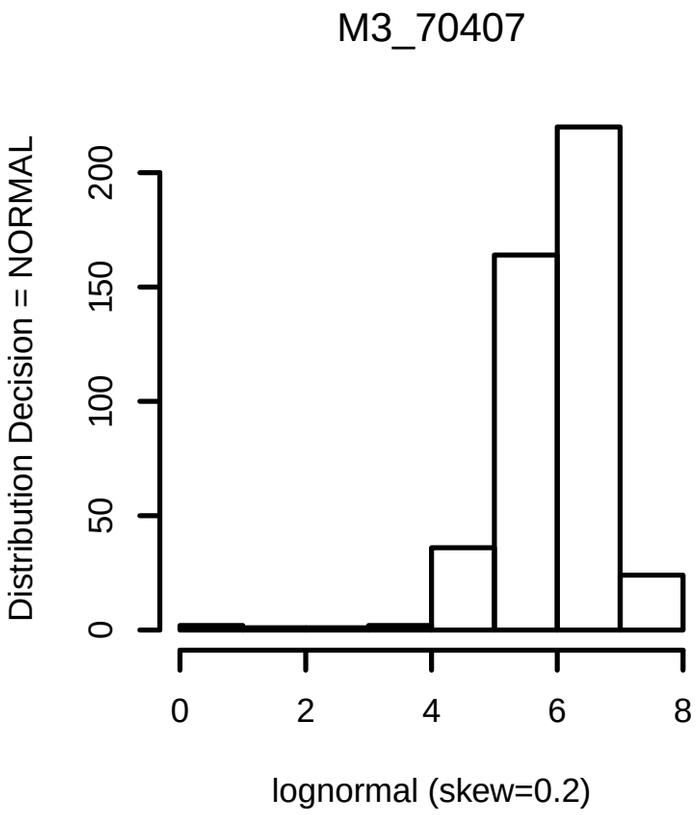

M3_23505
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
500
1500
2500
normal (skew=0.59)

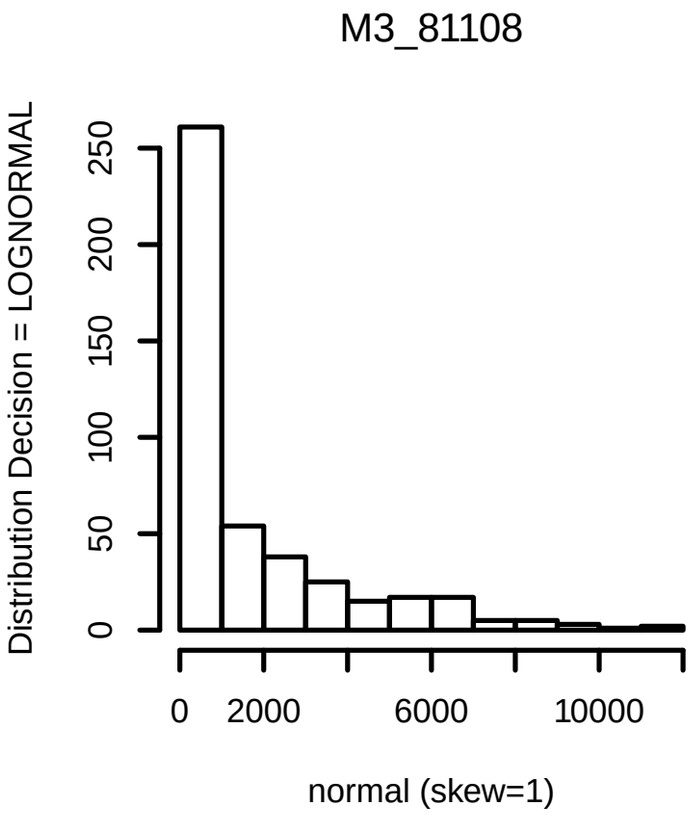

M3_23505
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0.14)

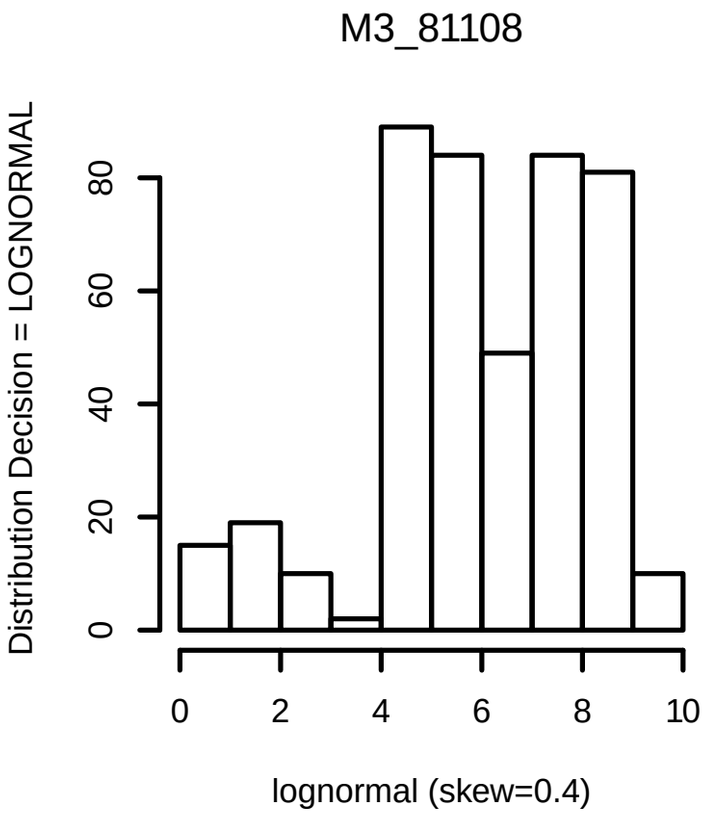

M3_70909
Distribution Decision = NORMAL
0
20
40
60
80
0
200
600
1000
normal (skew=0.085)

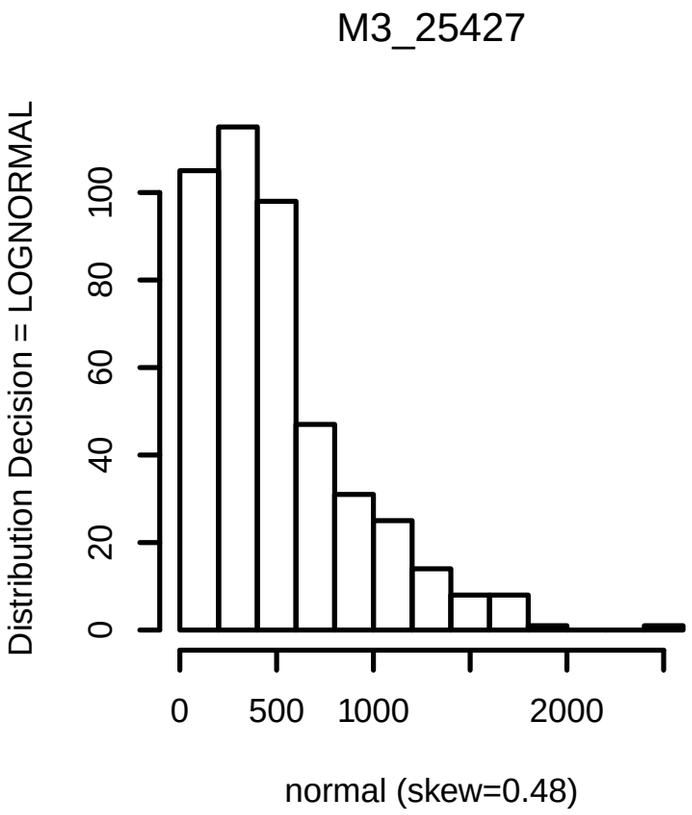

M3_70909
Distribution Decision = NORMAL
0
50
100
150
1
2
3
4
5
6
7
lognormal (skew=2.7)

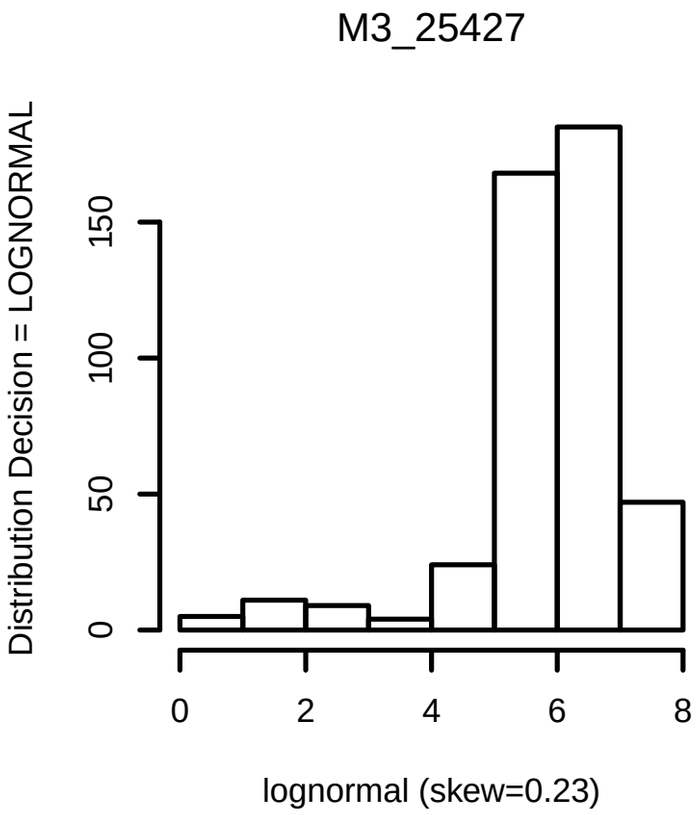

M3_70407
Distribution Decision = NORMAL
0
20
40
60
80
120
0
500
1000
1500
normal (skew=0.098)

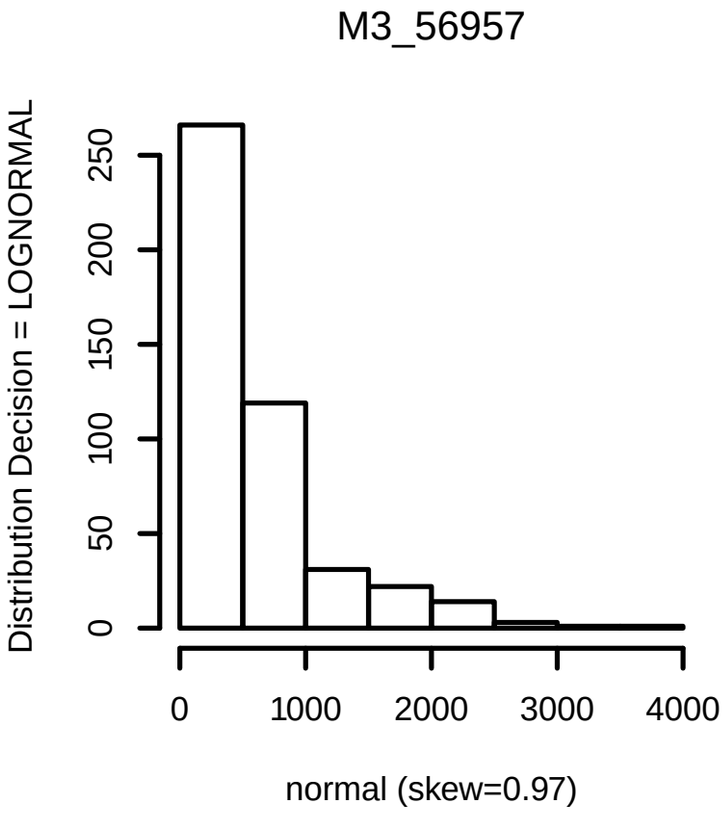

M3_70407
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.2)

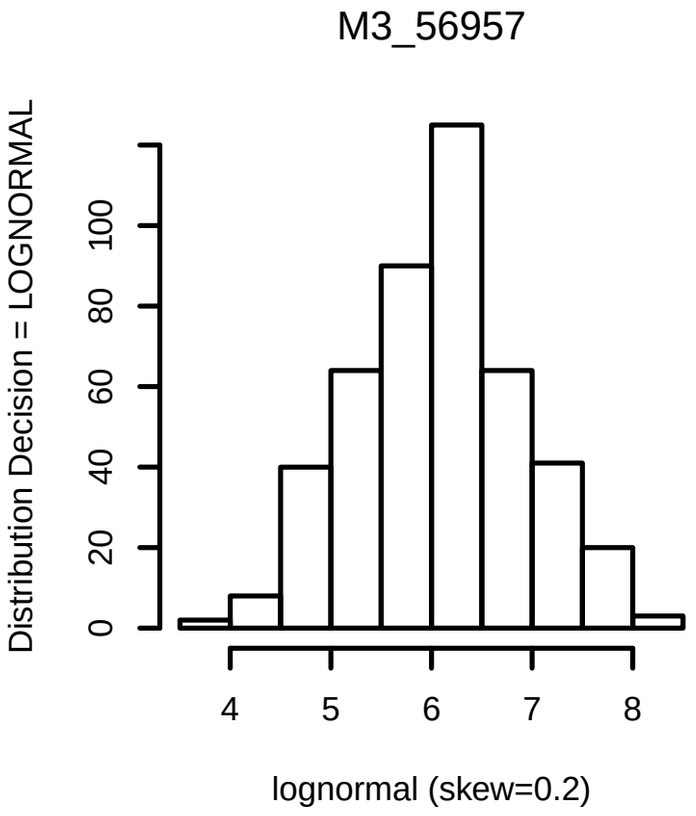

M3_81108
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2000
6000
10000
normal (skew=1)

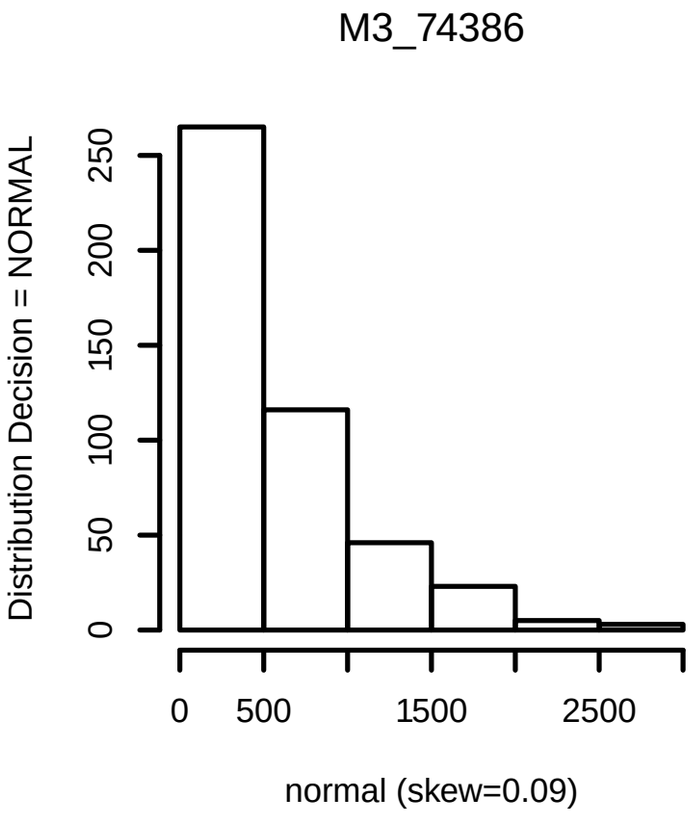

M3_81108
Distribution Decision = LOGNORMAL
0
20
40
60
80
0
2
4
6
8
10
lognormal (skew=0.4)

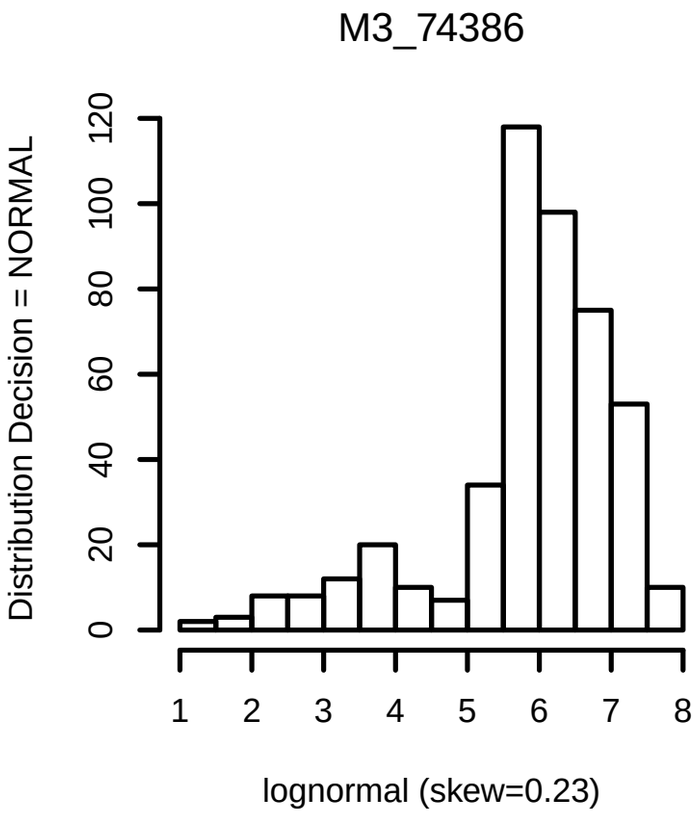

M3_25427
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
500
1000
2000
normal (skew=0.48)

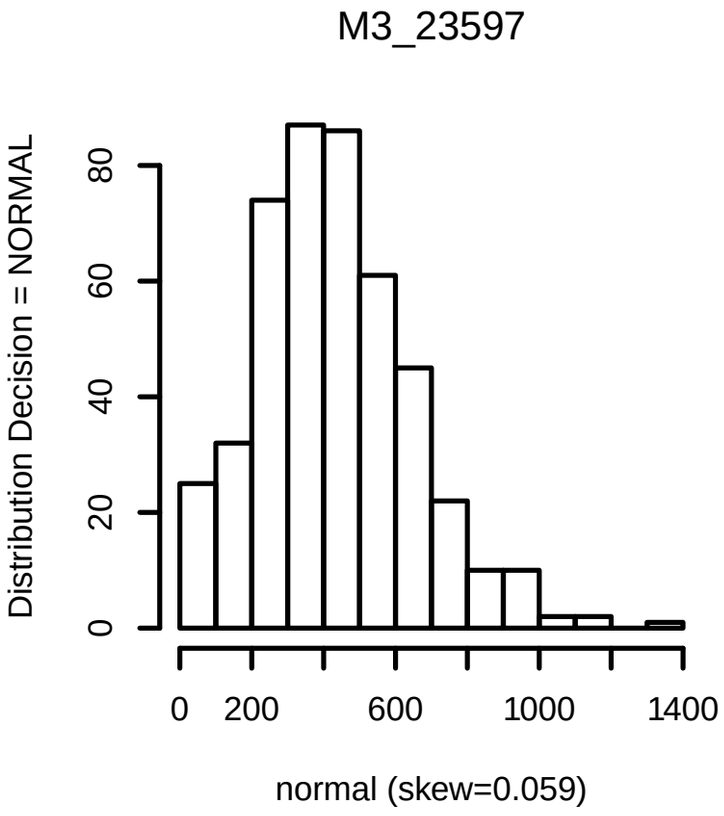

M3_25427
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.23)

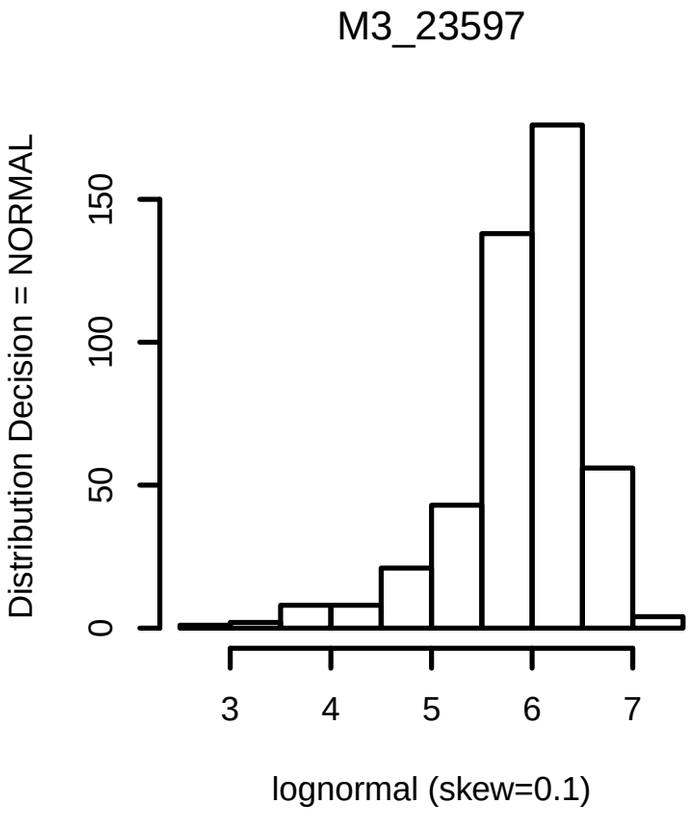

M3_56957
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
1000
2000
3000
4000
normal (skew=0.97)

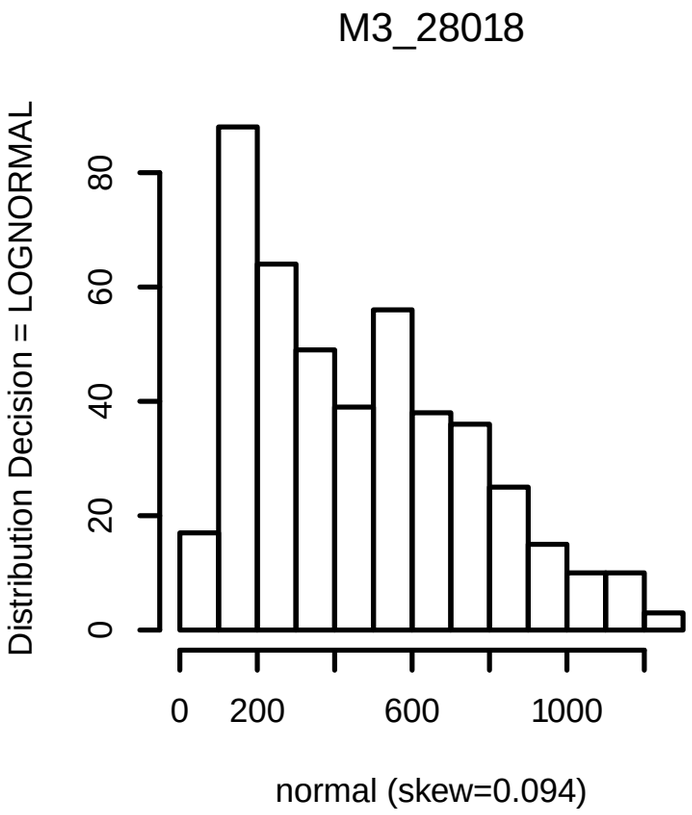

M3_56957
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
4
5
6
7
8
lognormal (skew=0.2)

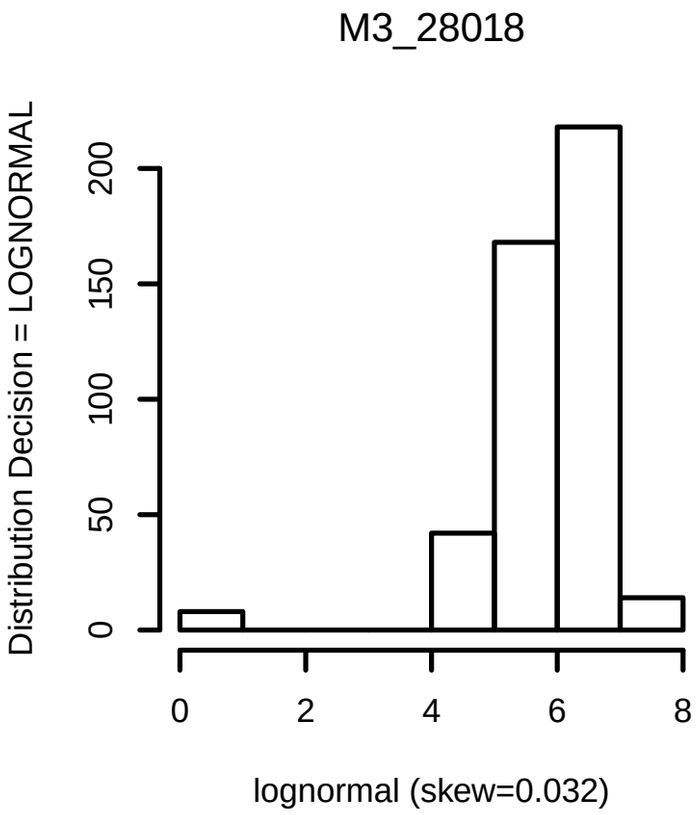

M3_74386
Distribution Decision = NORMAL
0
50
100
150
200
250
0
500
1500
2500
normal (skew=0.09)

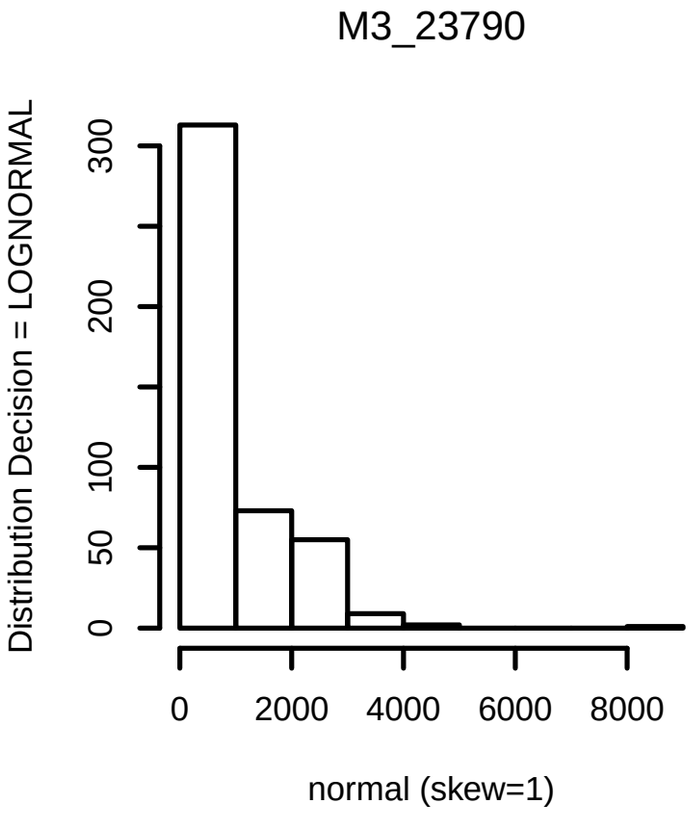

M3_74386
Distribution Decision = NORMAL
0
20
40
60
80
100
120
1
2
3
4
5
6
7
8
lognormal (skew=0.23)

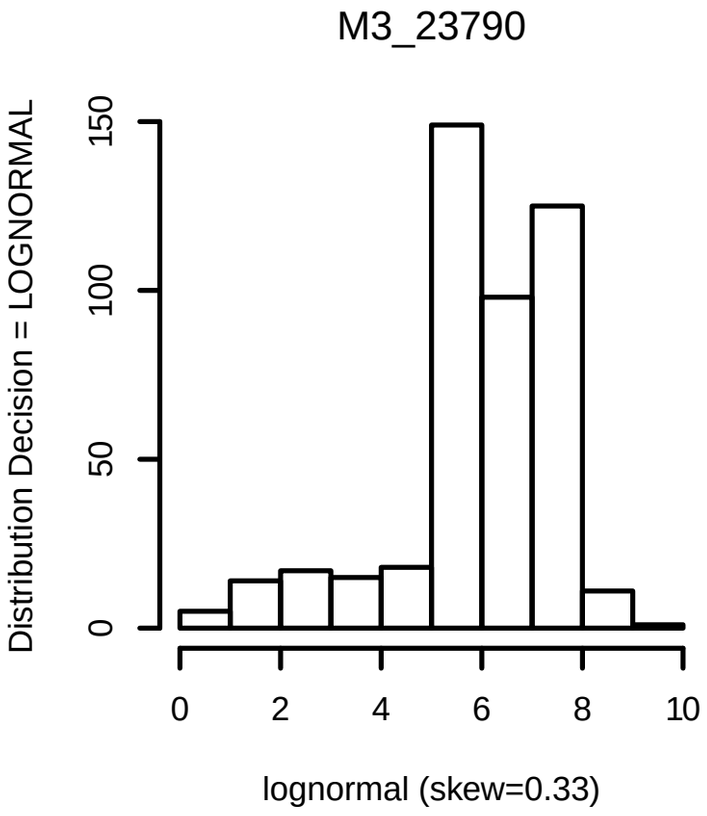

M3_23597
Distribution Decision = NORMAL
0
20
40
60
80
0
200
600
1000
1400
normal (skew=0.059)

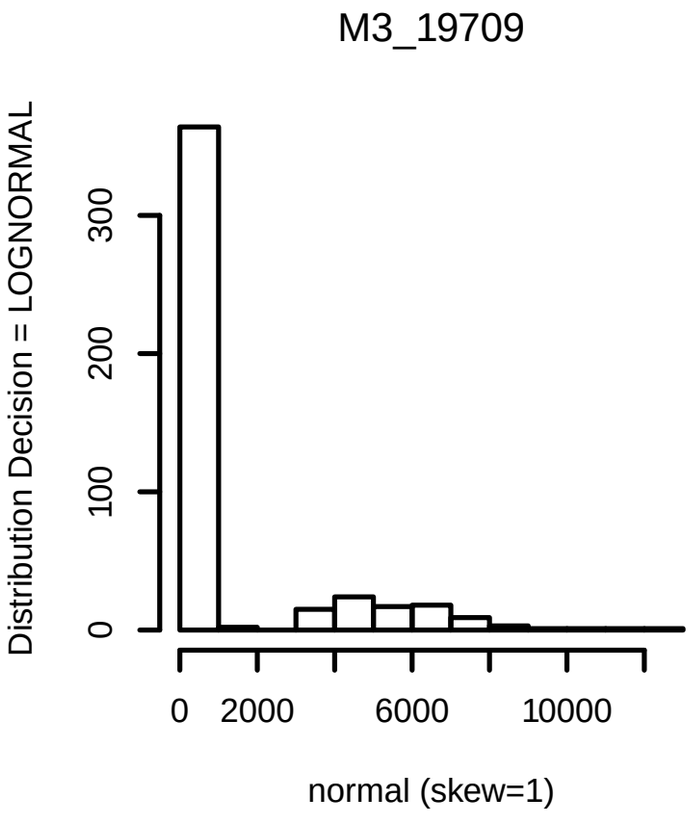

M3_23597
Distribution Decision = NORMAL
0
50
100
150
3
4
5
6
7
lognormal (skew=0.1)

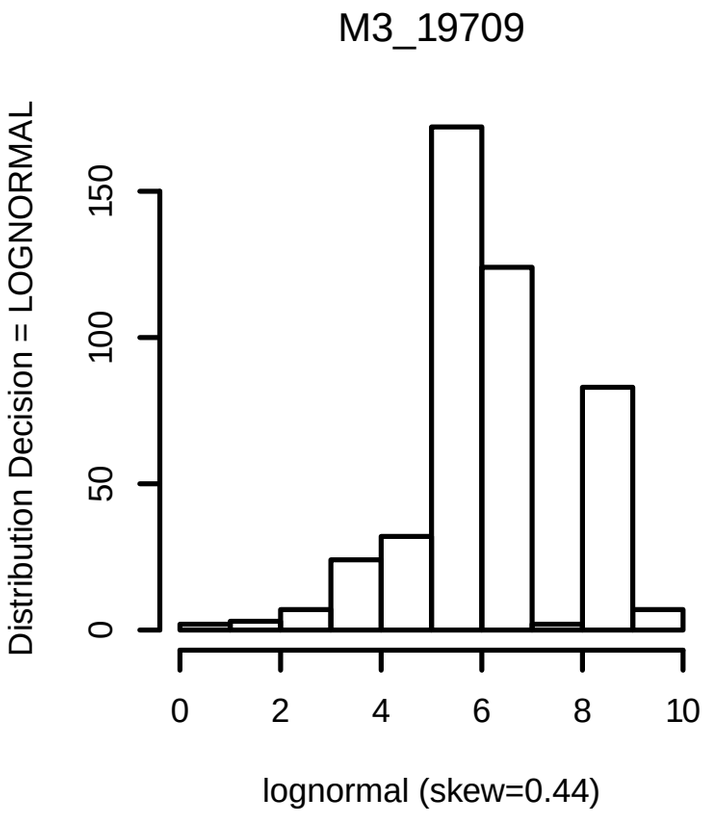

M3_28018
Distribution Decision = LOGNORMAL
0
20
40
60
80
0
200
600
1000
normal (skew=0.094)

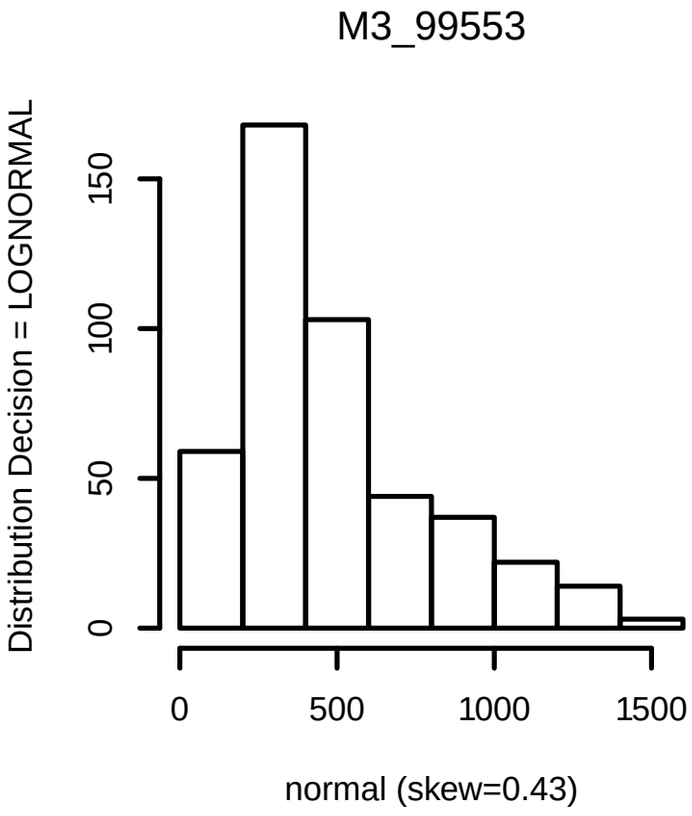

M3_28018
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.032)

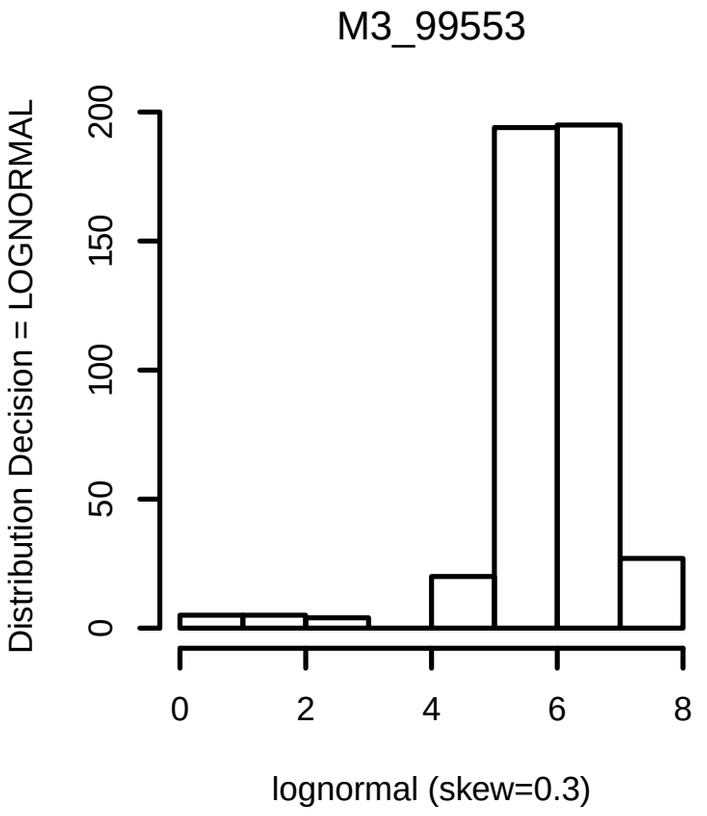

M3_23790
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
2000
4000
6000
8000
normal (skew=1)

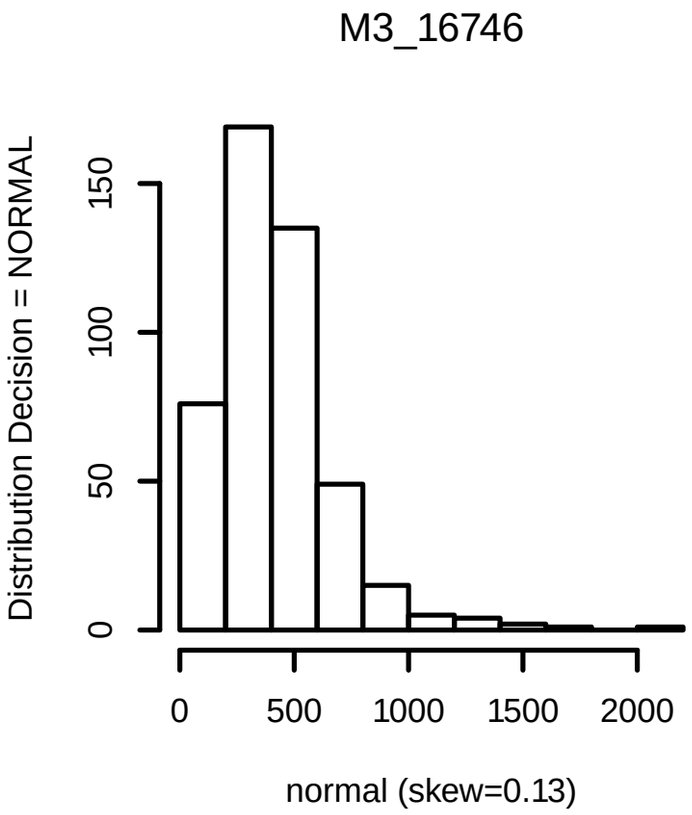

M3_23790
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.33)

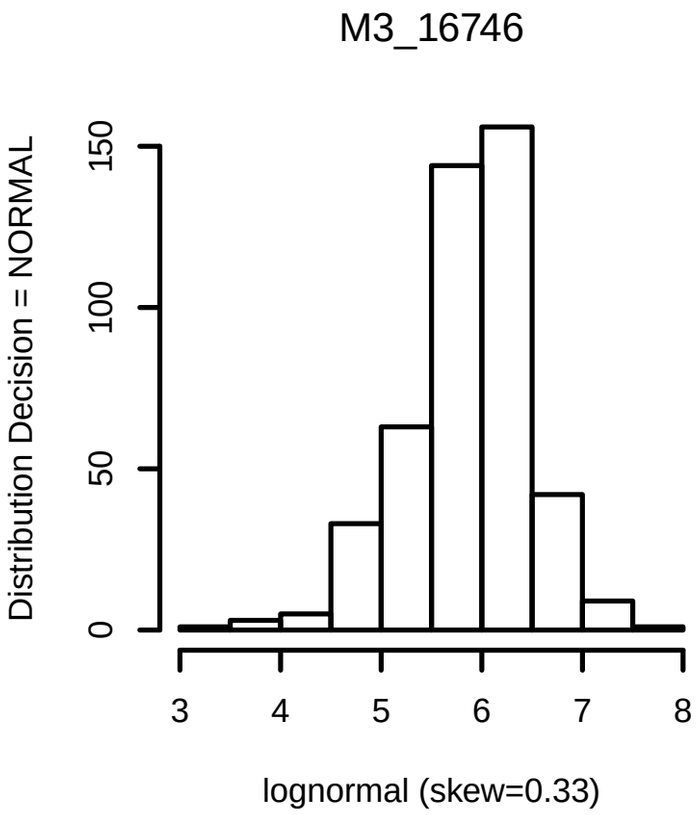

M3_19709
Distribution Decision = LOGNORMAL
0
100
200
300
0
2000
6000
10000
normal (skew=1)

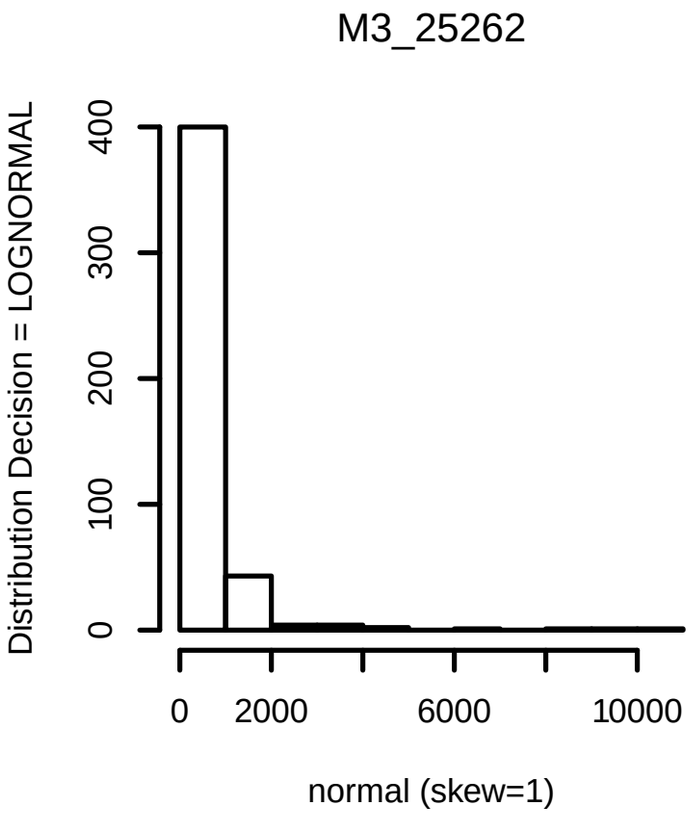

M3_19709
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.44)

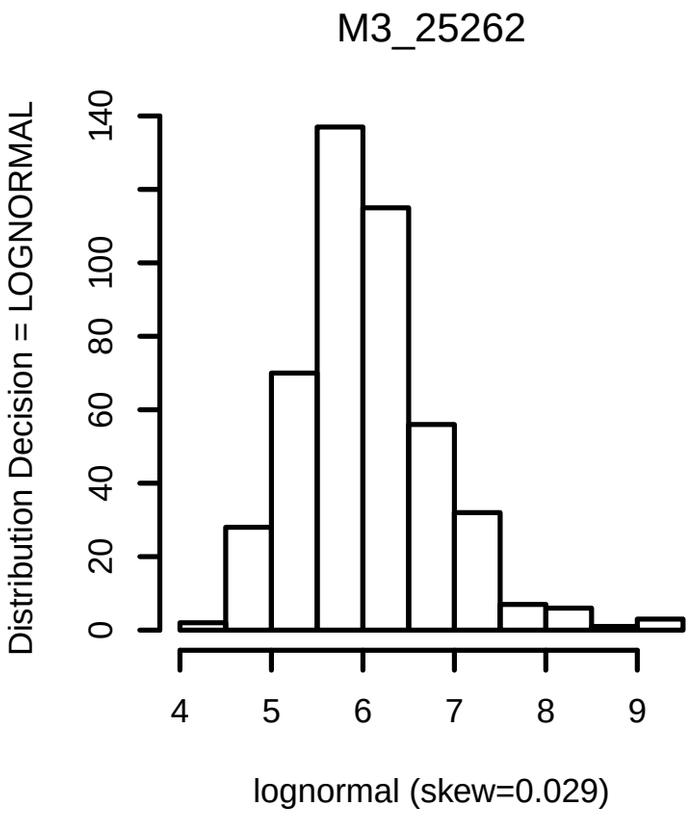

M3_99553
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1000
1500
normal (skew=0.43)

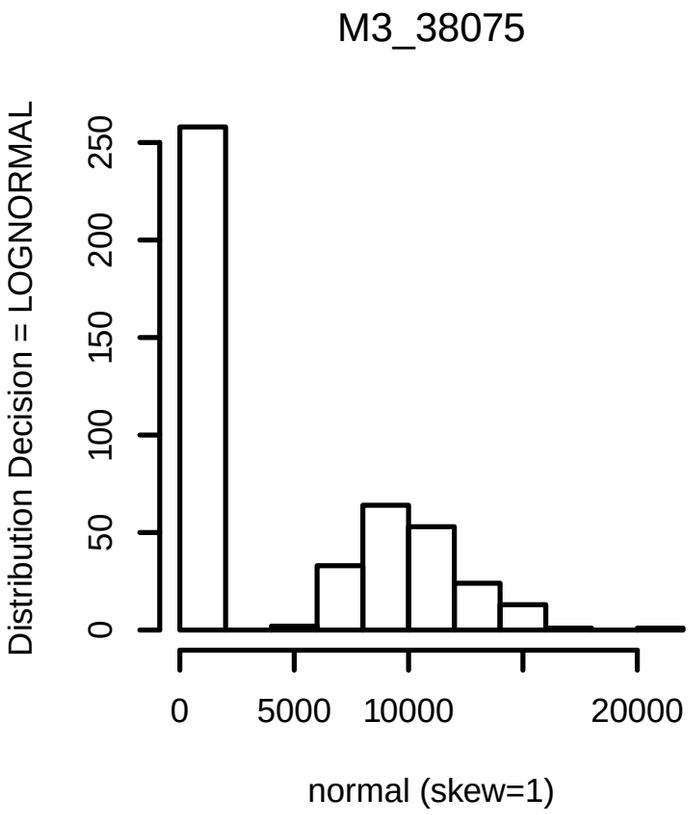

M3_99553
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.3)

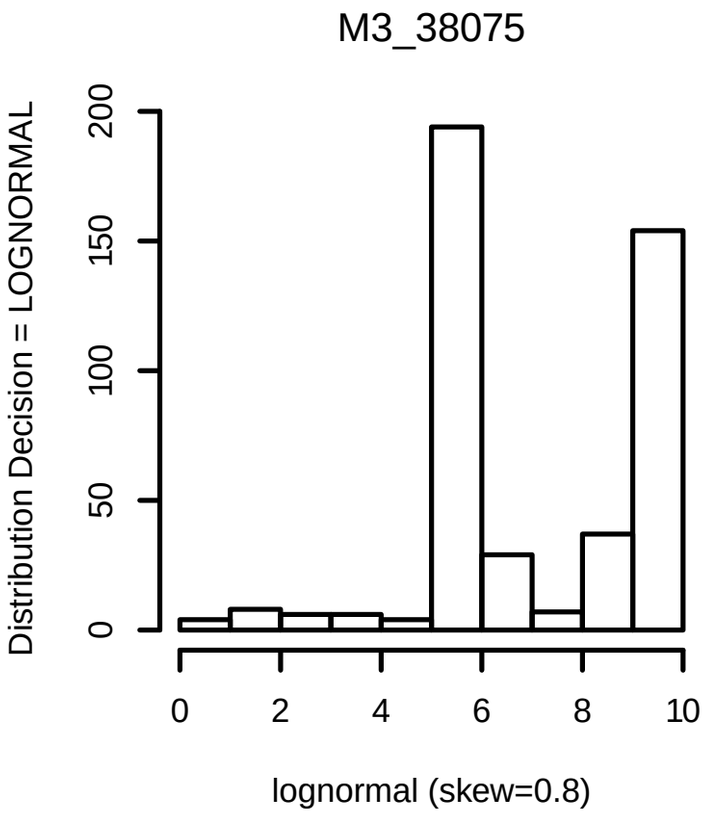

M3_16746
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
1500
2000
normal (skew=0.13)

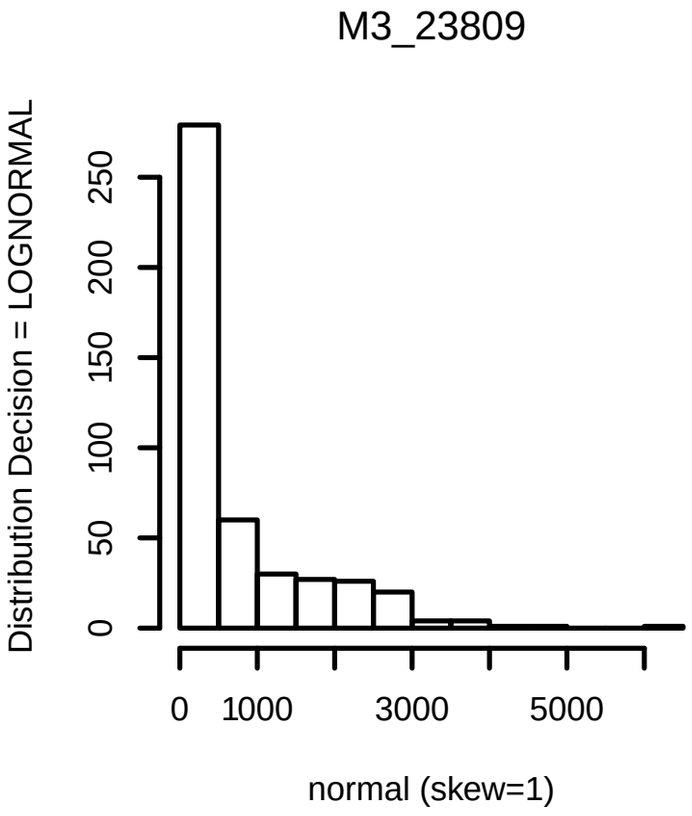

M3_16746
Distribution Decision = NORMAL
0
50
100
150
3
4
5
6
7
8
lognormal (skew=0.33)

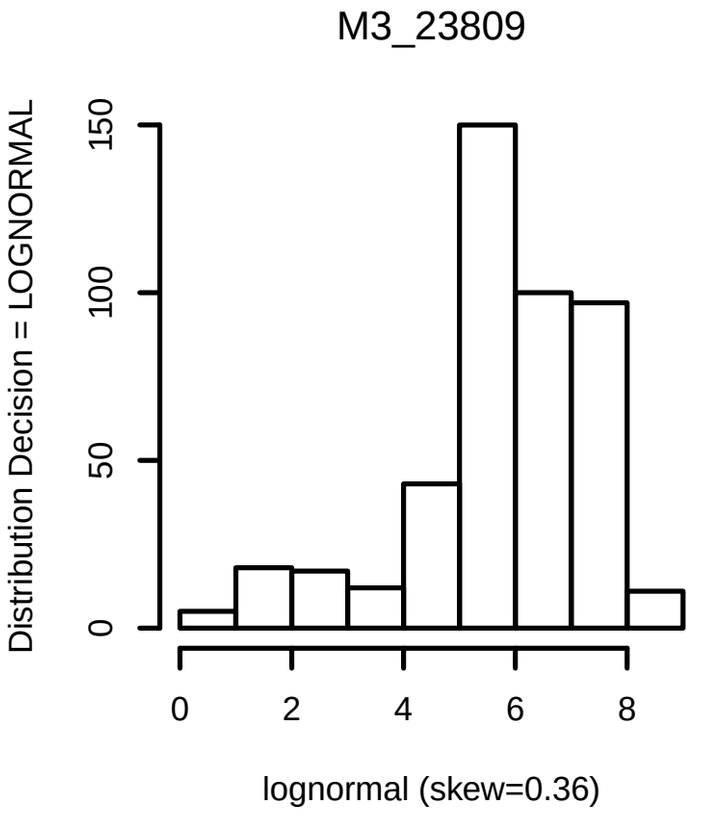

M3_25262
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

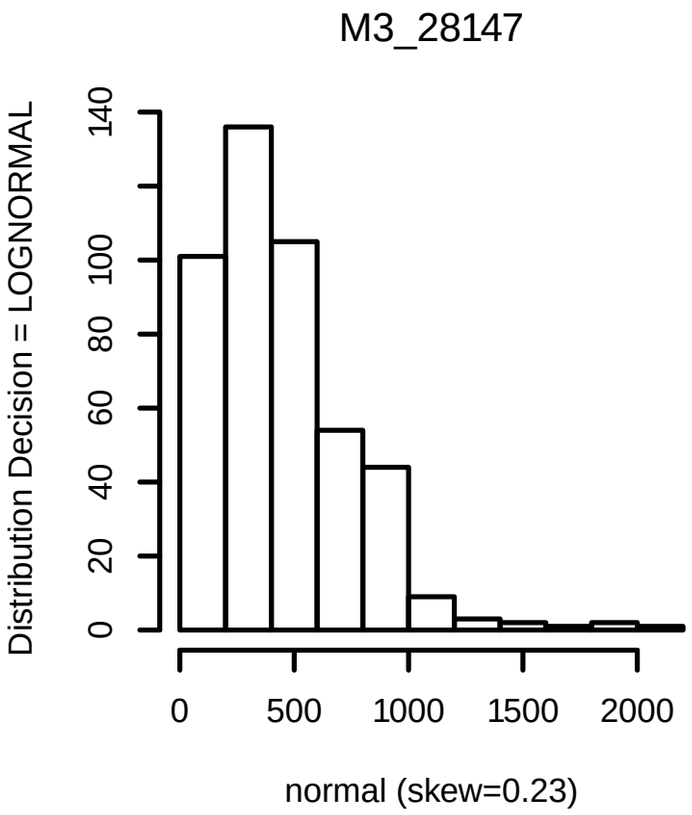

M3_25262
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
4
5
6
7
8
9
lognormal (skew=0.029)

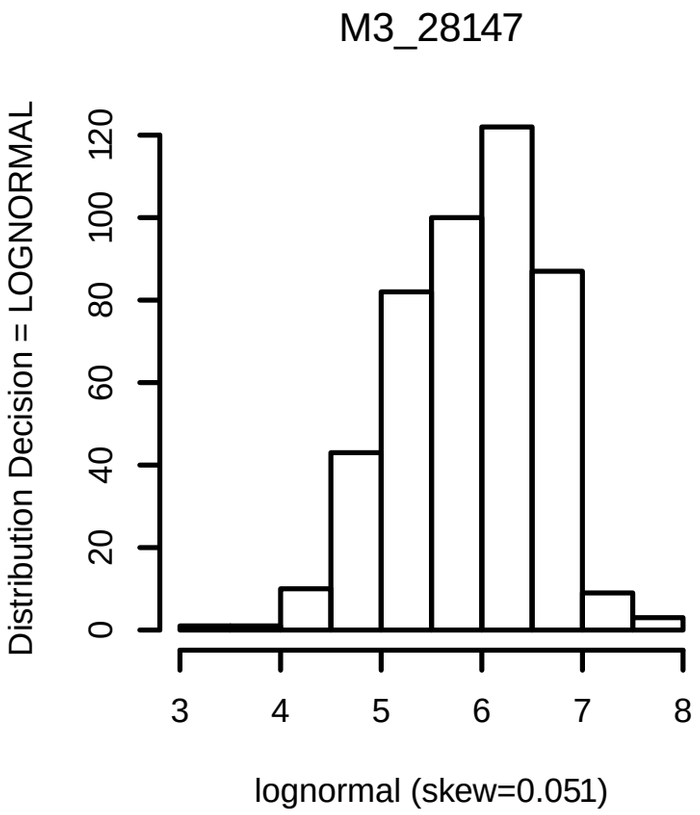

M3_38075
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
5000
10000
20000
normal (skew=1)

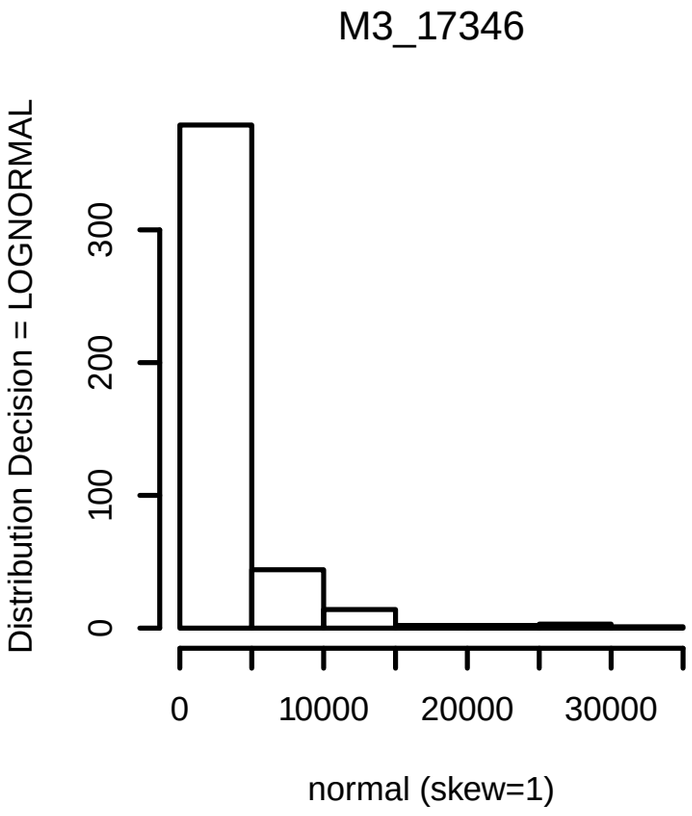

M3_38075
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=0.8)

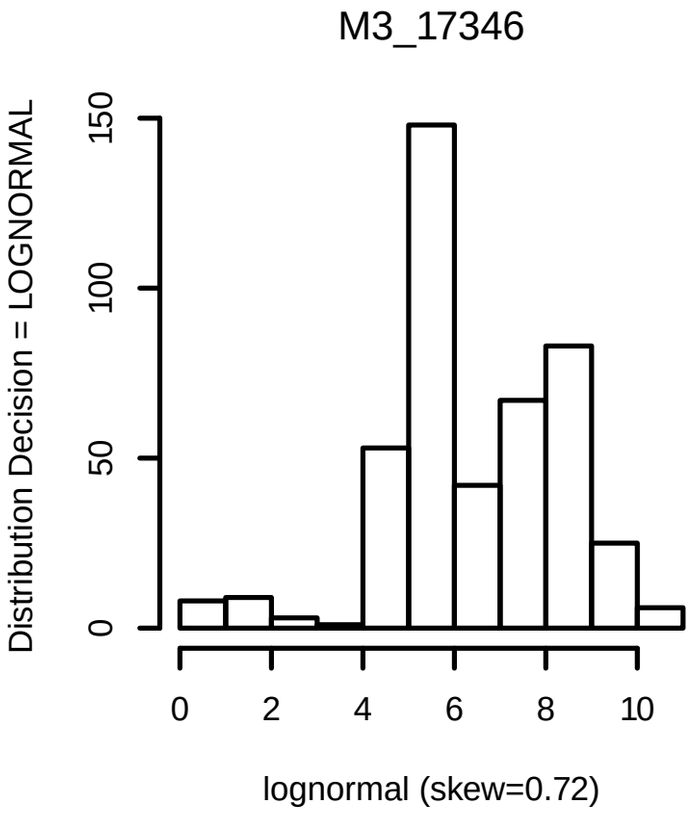

M3_23809
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
1000
3000
5000
normal (skew=1)

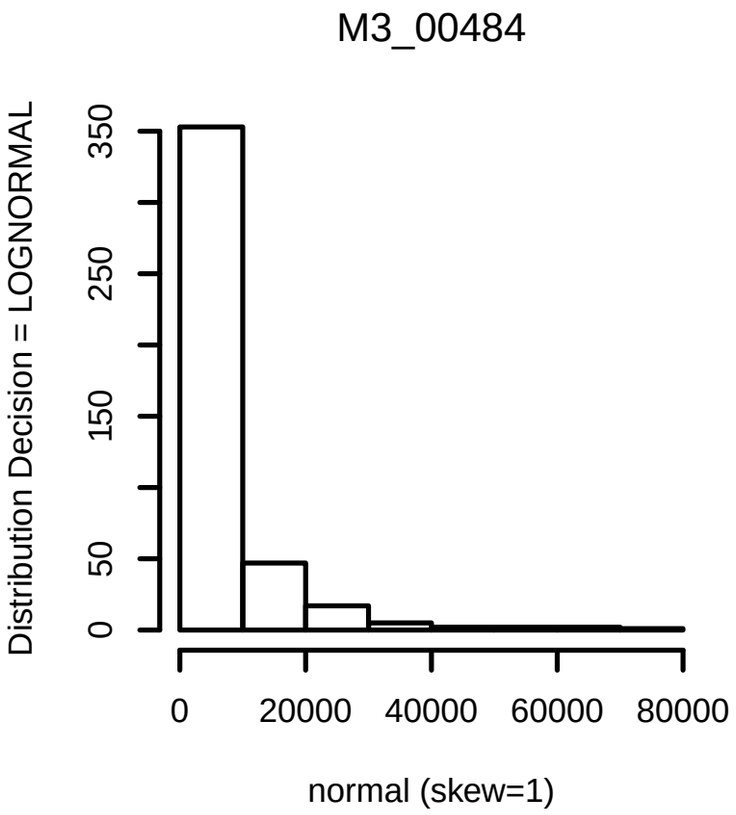

M3_23809
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.36)

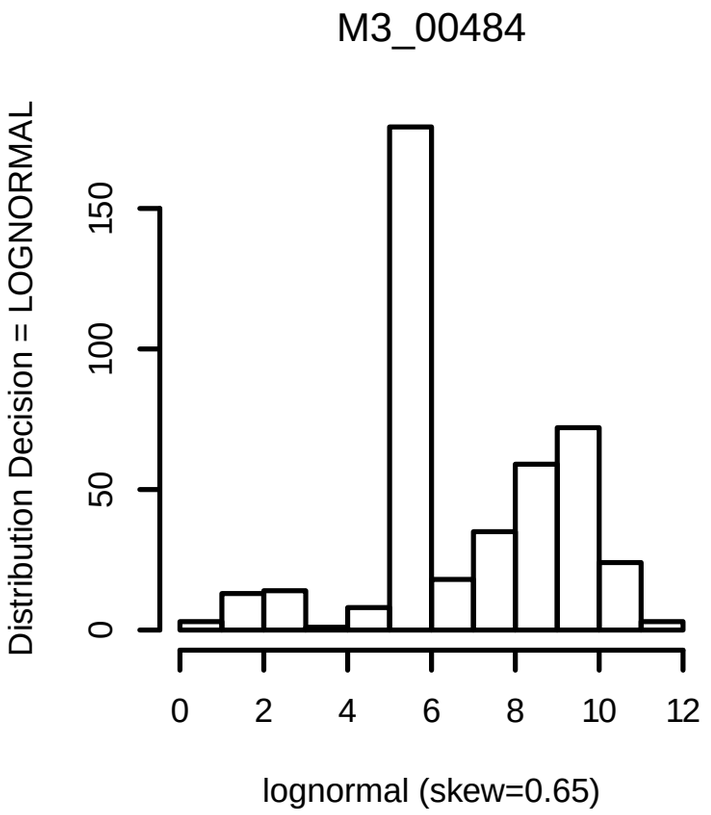

M3_28147
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
140
0
500
1000
1500
2000
normal (skew=0.23)

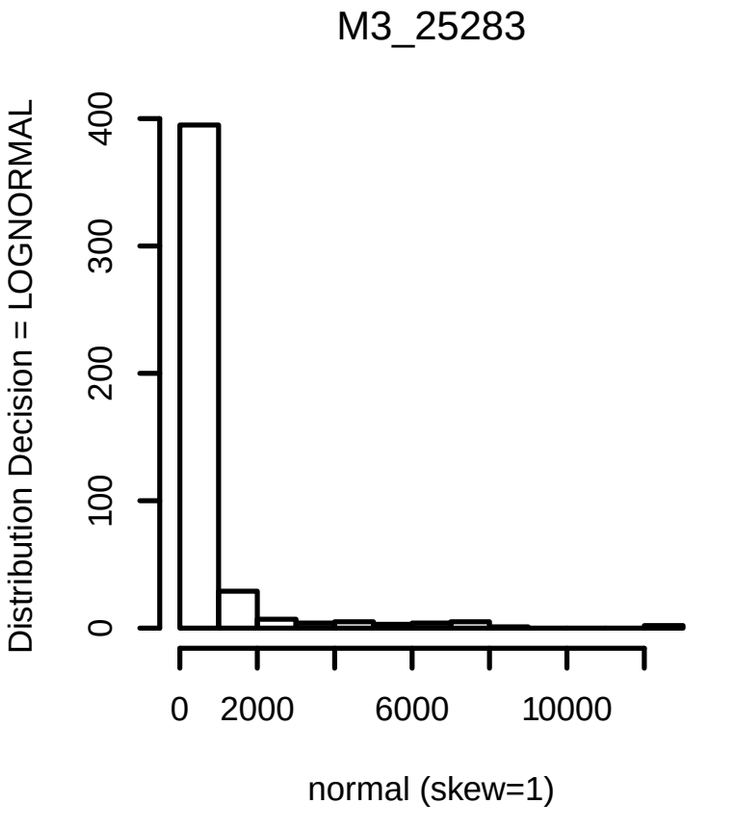

M3_28147
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
3
4
5
6
7
8
lognormal (skew=0.051)

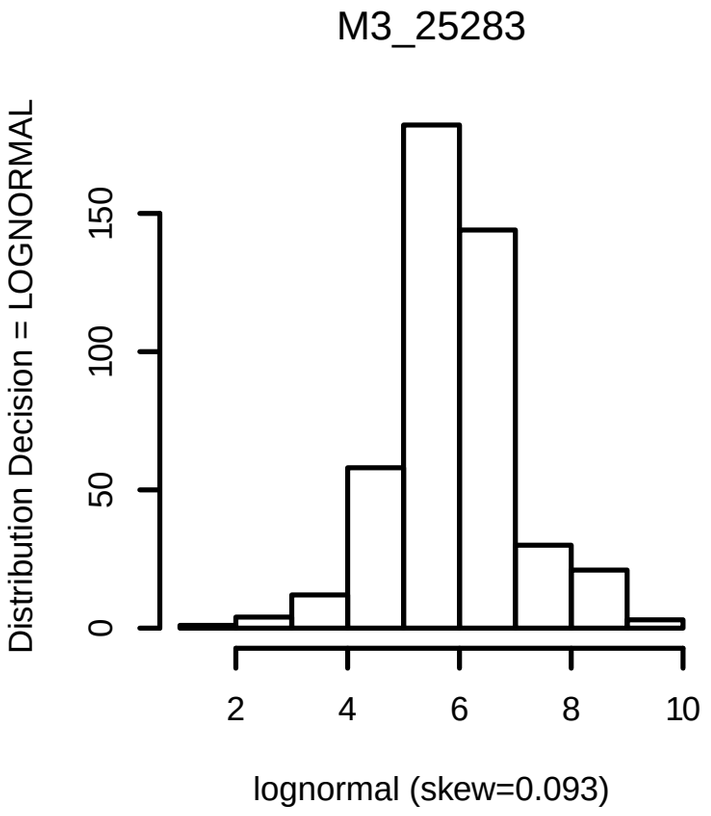

M3_17346
Distribution Decision = LOGNORMAL
0
100
200
300
0
10000
20000
30000
normal (skew=1)

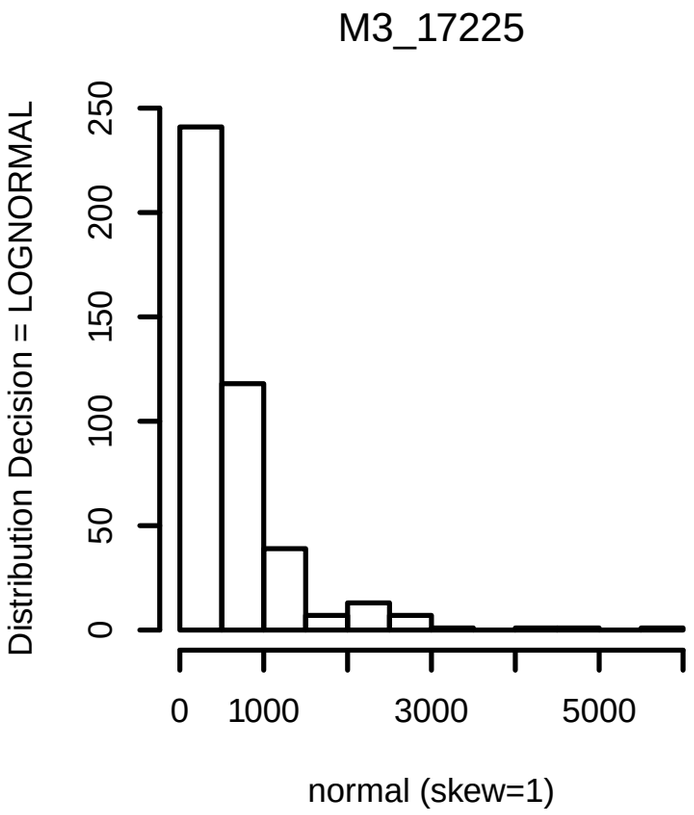

M3_17346
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
lognormal (skew=0.72)

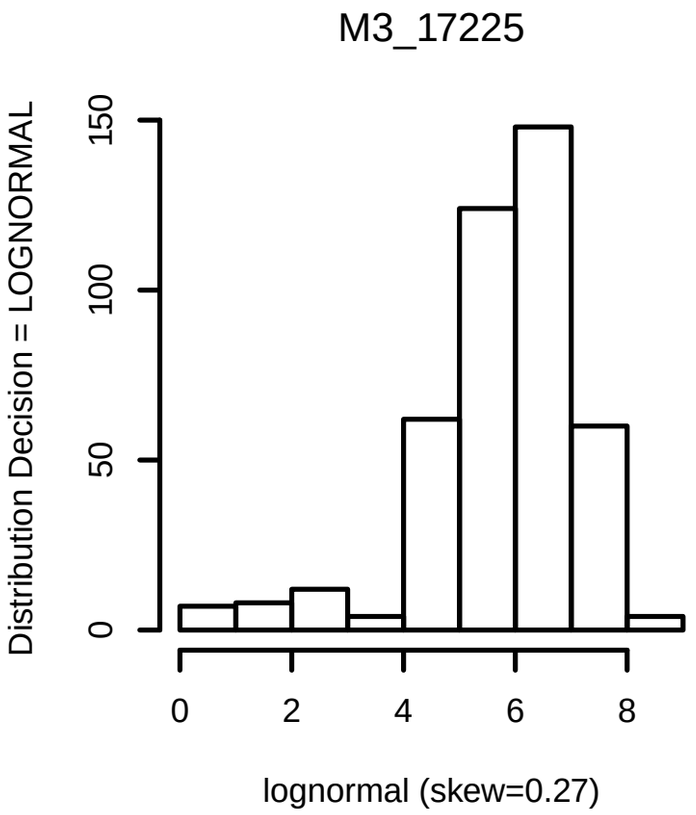

M3_00484
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
20000
40000
60000
80000
normal (skew=1)

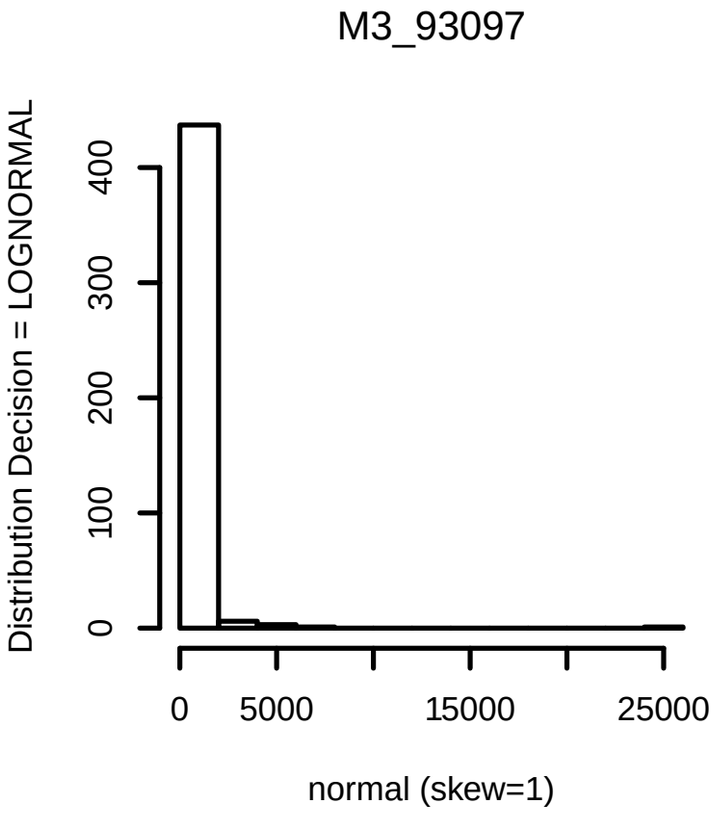

M3_00484
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
10
12
lognormal (skew=0.65)

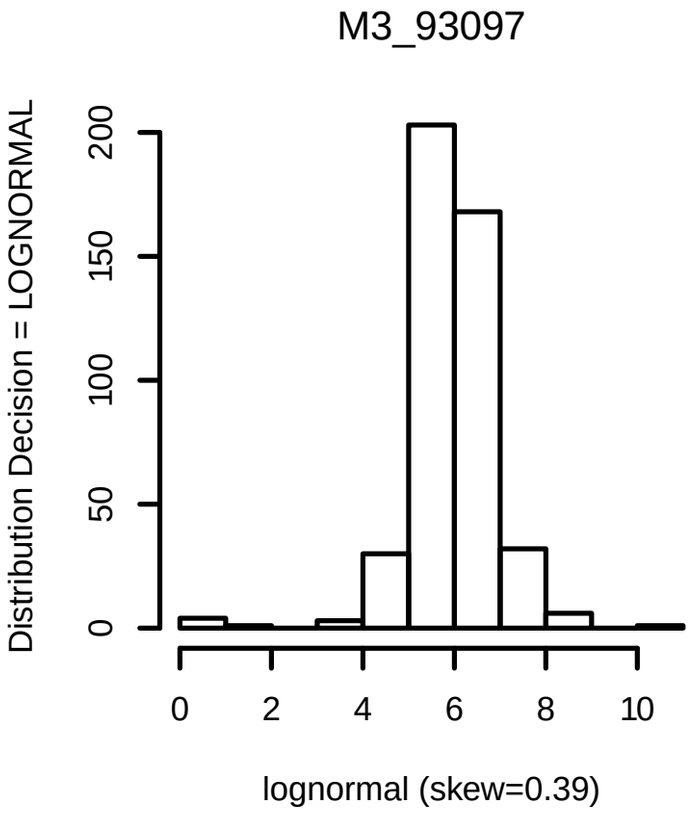

M3_25283
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

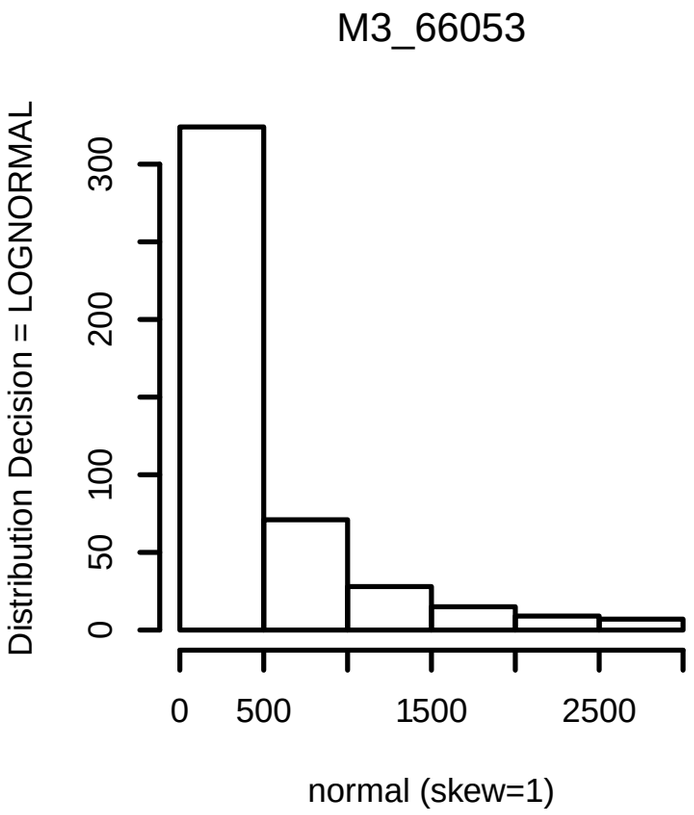

M3_25283
Distribution Decision = LOGNORMAL
0
50
100
150
2
4
6
8
10
lognormal (skew=0.093)

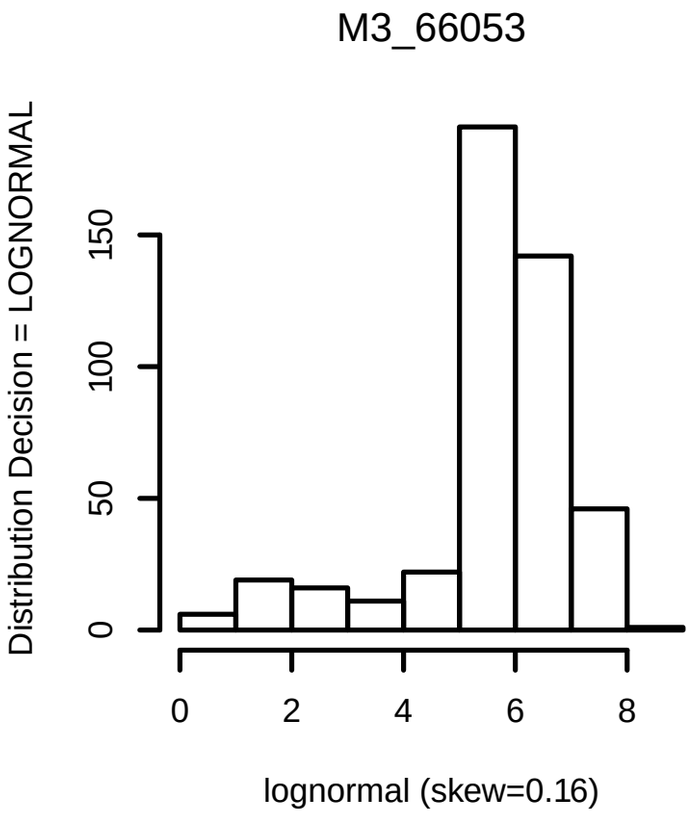

M3_17225
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
1000
3000
5000
normal (skew=1)

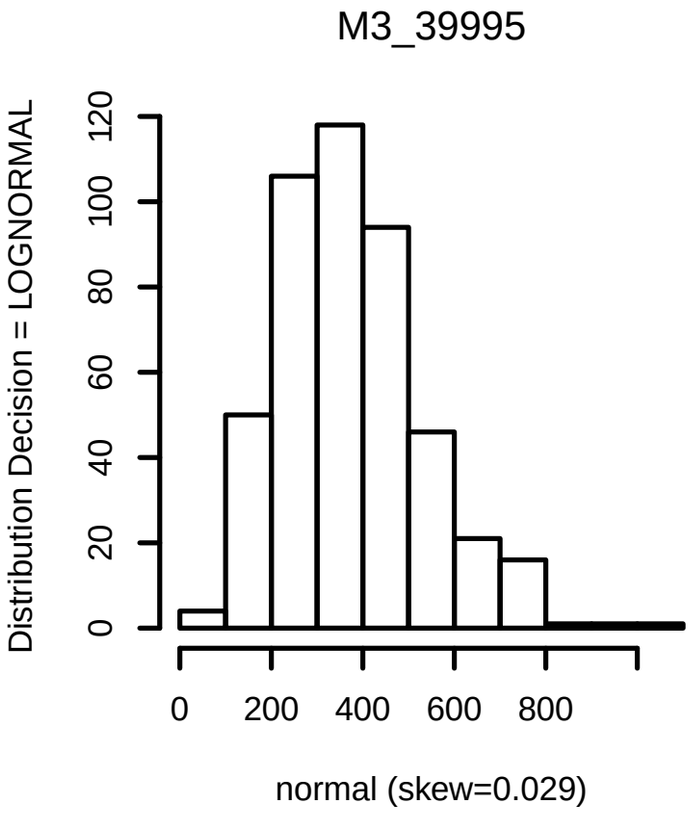

M3_17225
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.27)

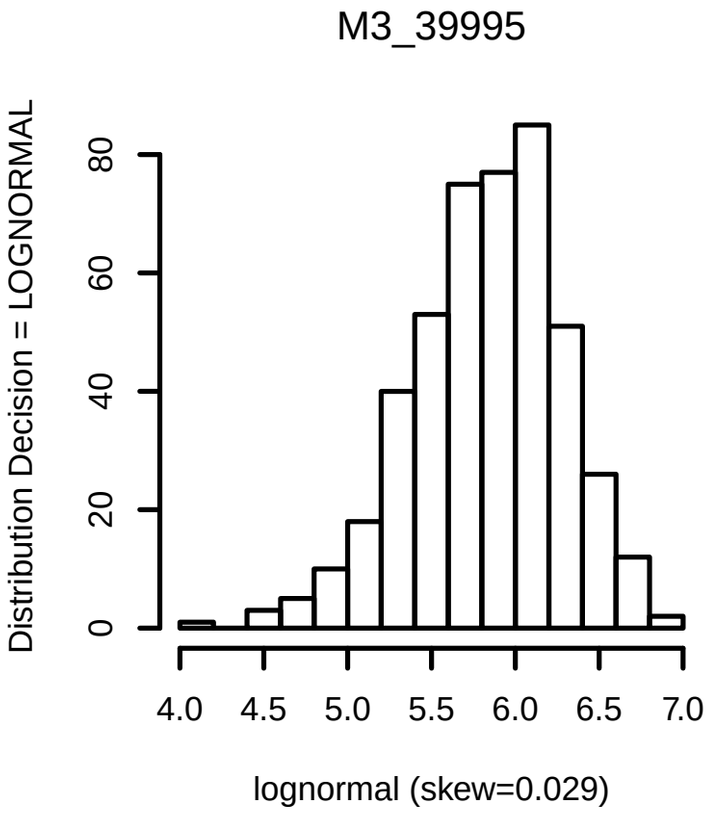

M3_93097
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
5000
15000
25000
normal (skew=1)

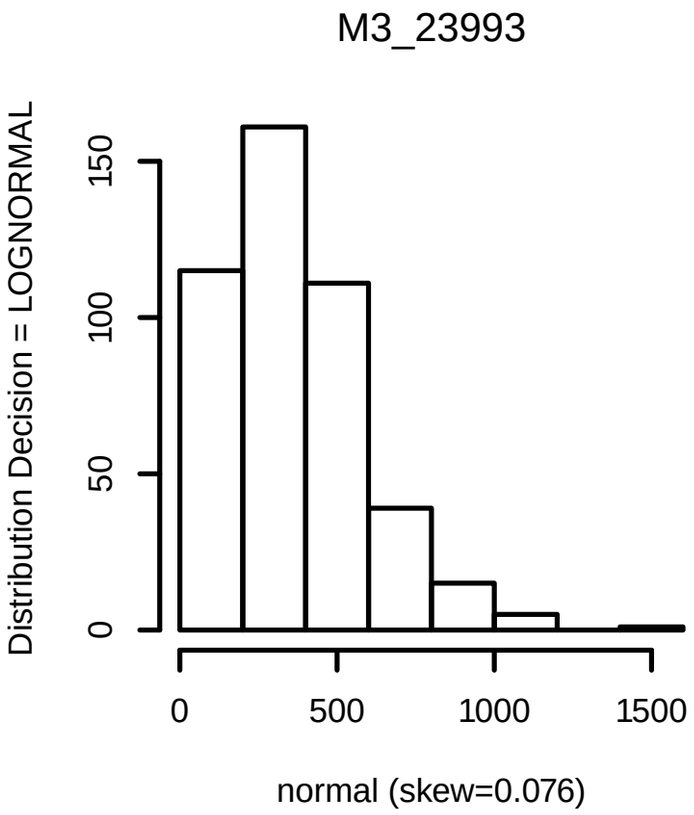

M3_93097
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
10
lognormal (skew=0.39)

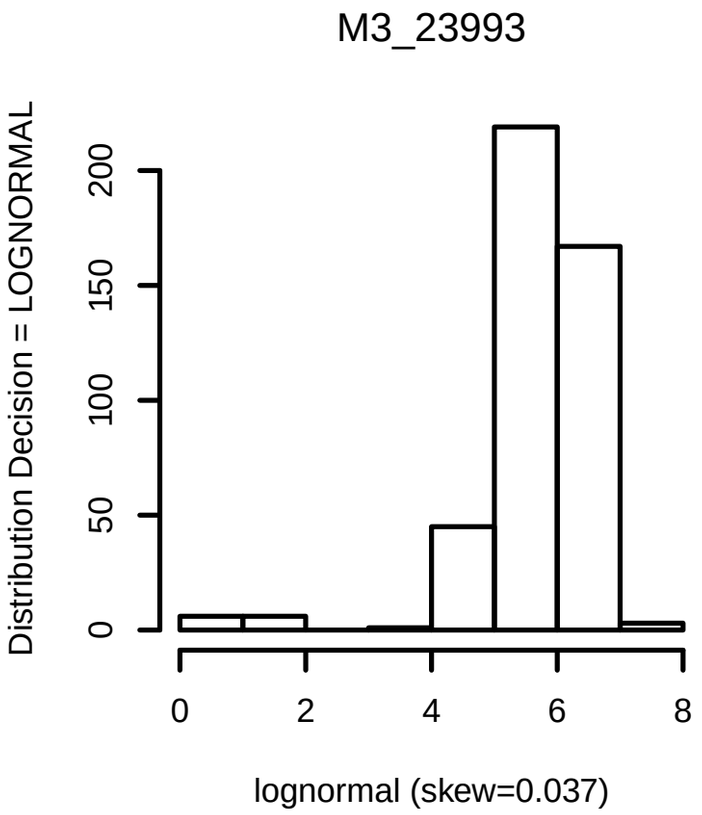

M3_66053
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
500
1500
2500
normal (skew=1)

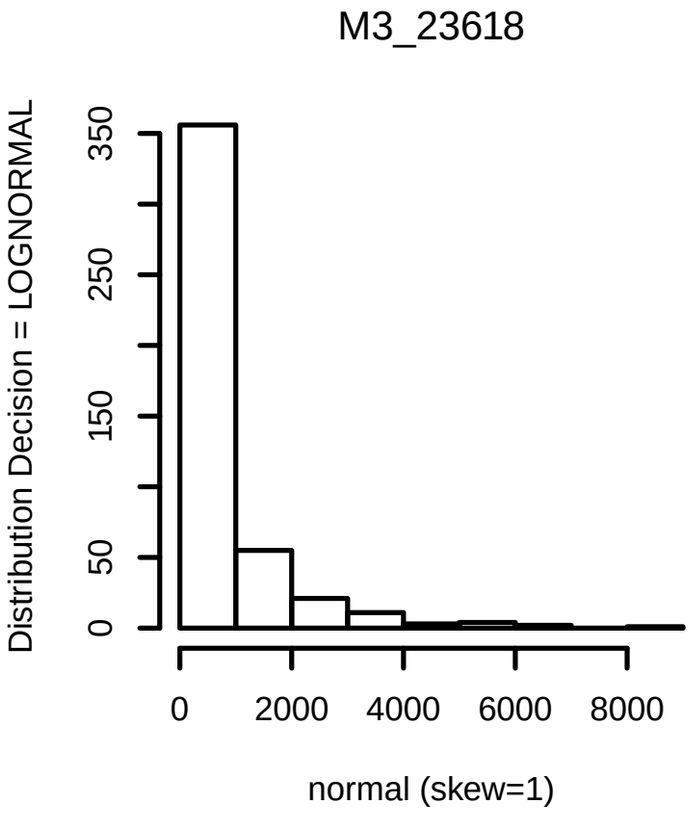

M3_66053
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.16)

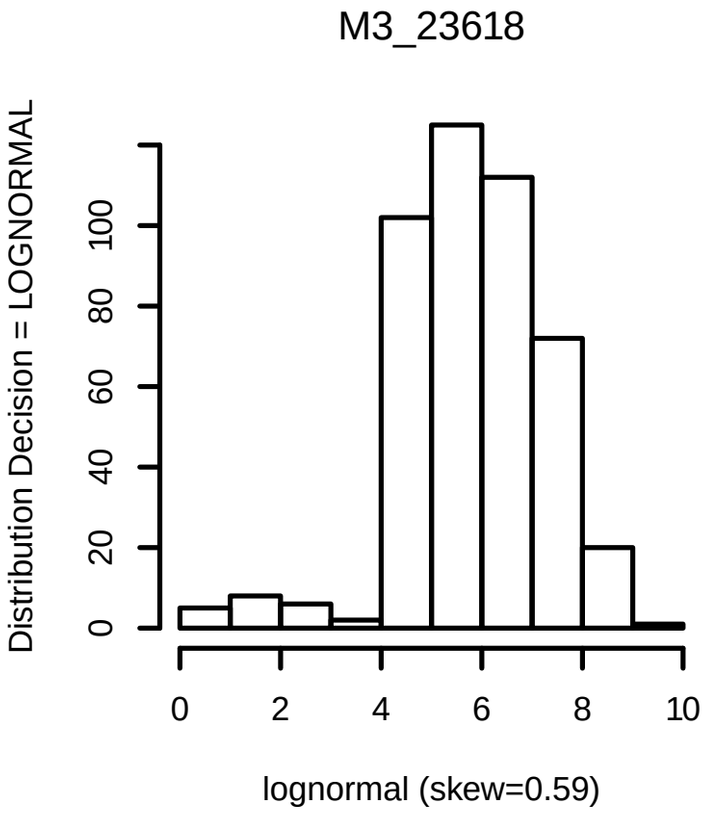

M3_39995
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
200
400
600
800
normal (skew=0.029)

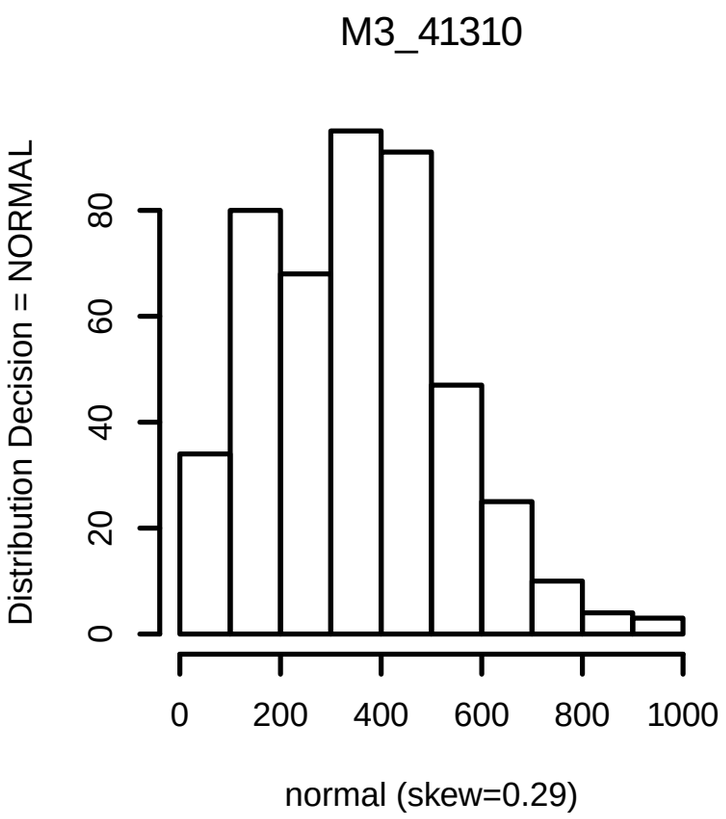

M3_39995
Distribution Decision = LOGNORMAL
0
20
40
60
80
4.0
4.5
5.0
5.5
6.0
6.5
7.0
lognormal (skew=0.029)

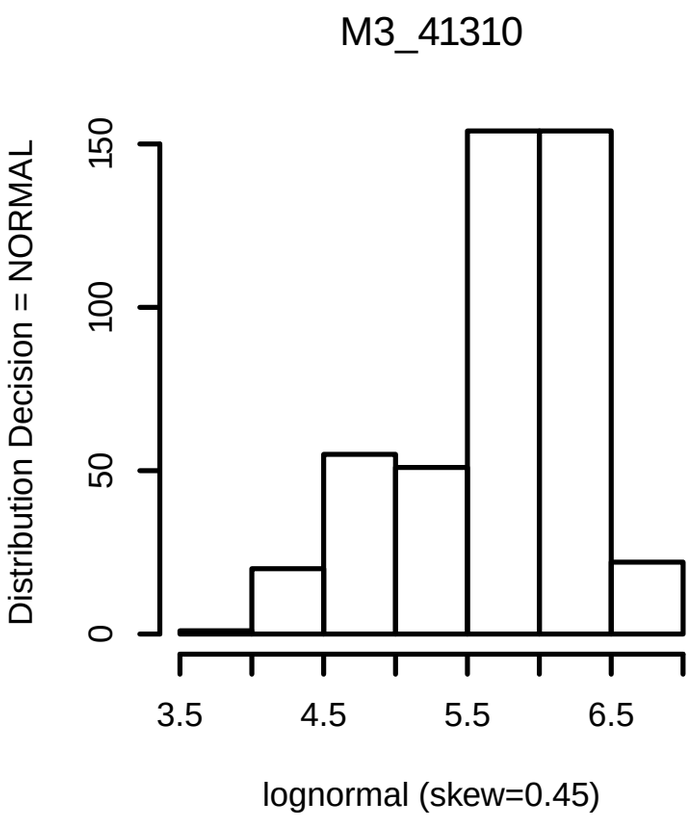

M3_23993
Distribution Decision = LOGNORMAL
0
50
100
150
0
500
1000
1500
normal (skew=0.076)

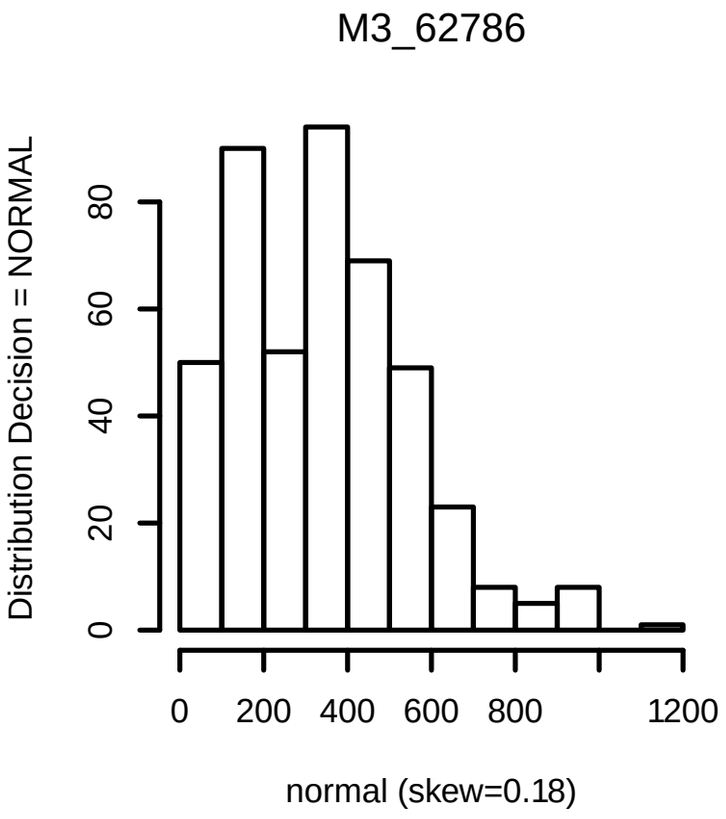

M3_23993
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.037)

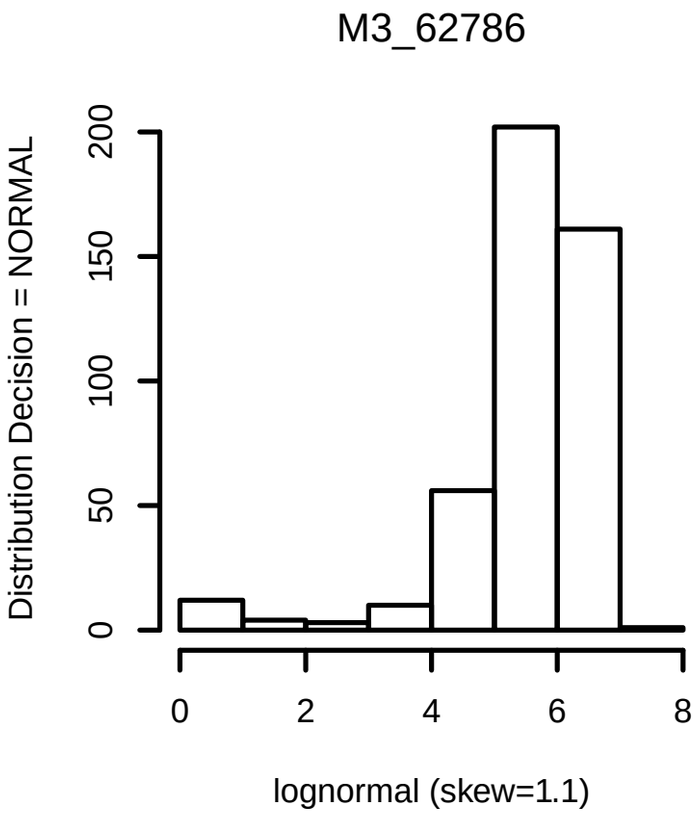

M3_23618
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
2000
4000
6000
8000
normal (skew=1)

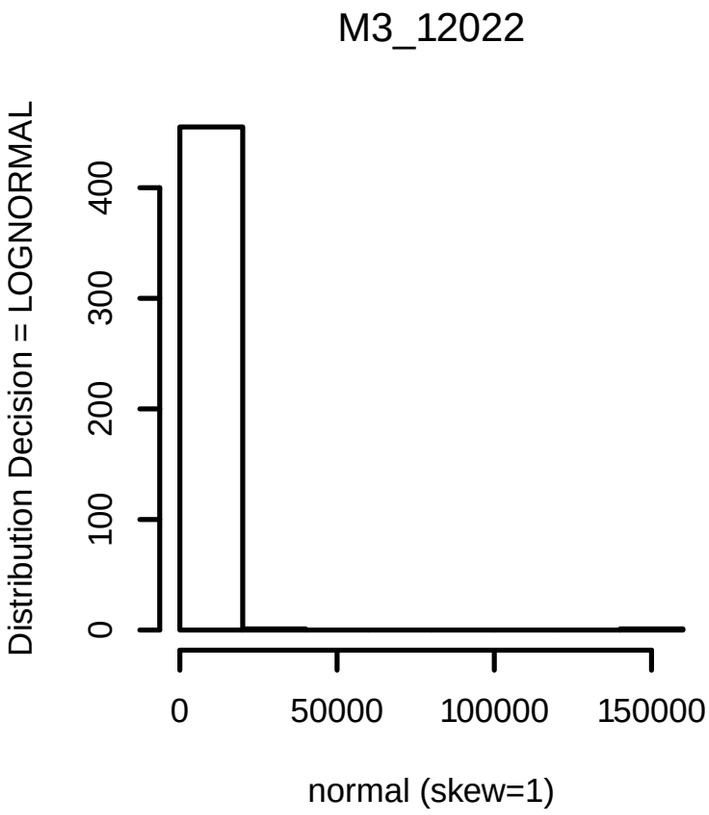

M3_23618
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2
4
6
8
10
lognormal (skew=0.59)

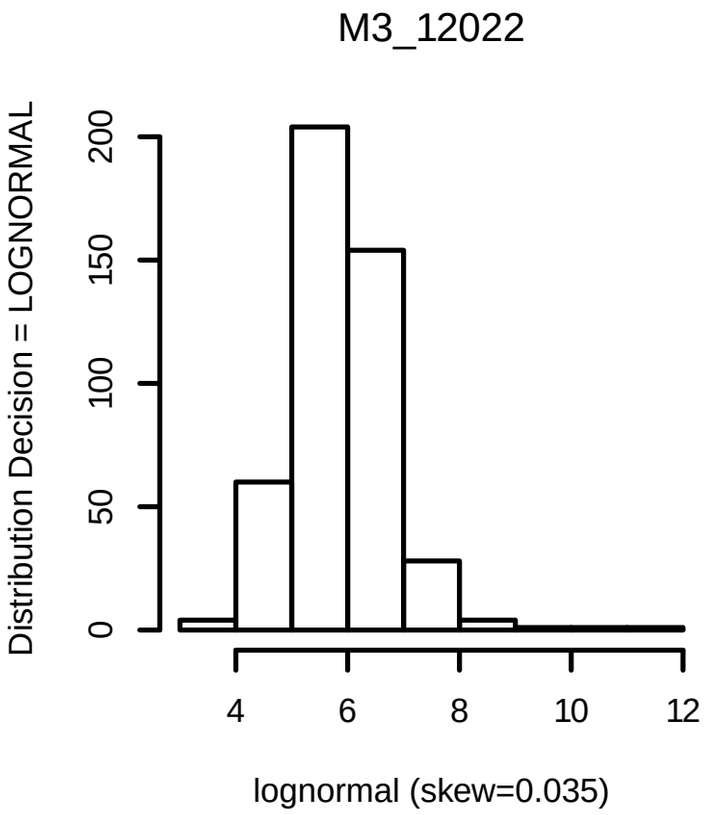

M3_41310
Distribution Decision = NORMAL
0
20
40
60
80
0
200
400
600
800
1000
normal (skew=0.29)

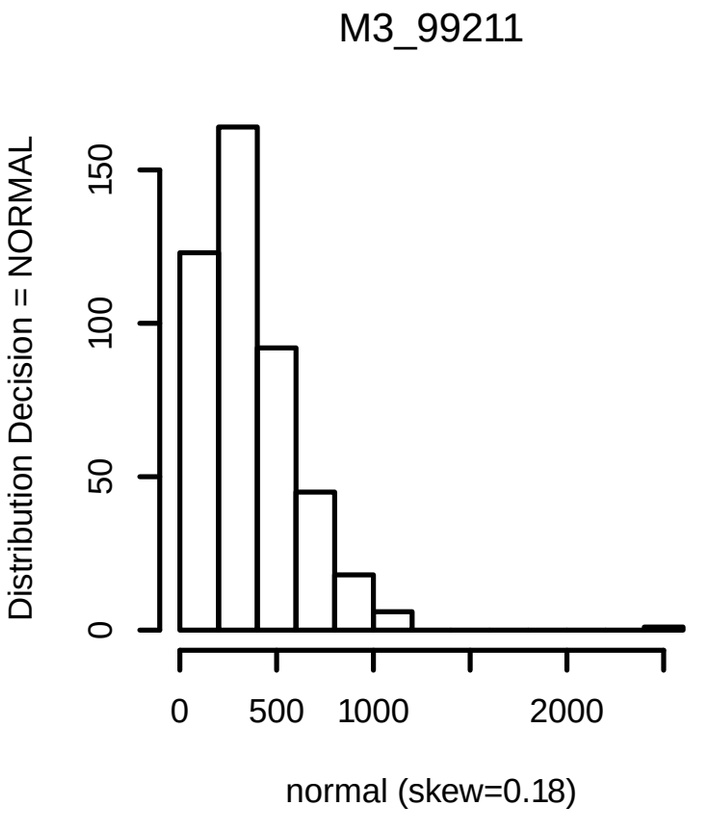

M3_41310
Distribution Decision = NORMAL
0
50
100
150
3.5
4.5
5.5
6.5
lognormal (skew=0.45)

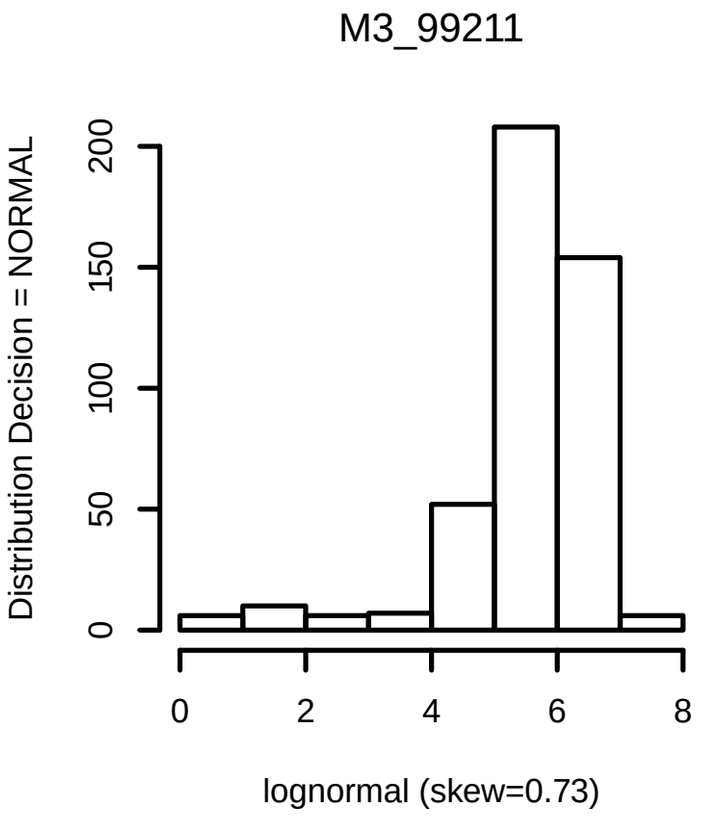

M3_62786
Distribution Decision = NORMAL
0
20
40
60
80
0
200
400
600
800
1200
normal (skew=0.18)

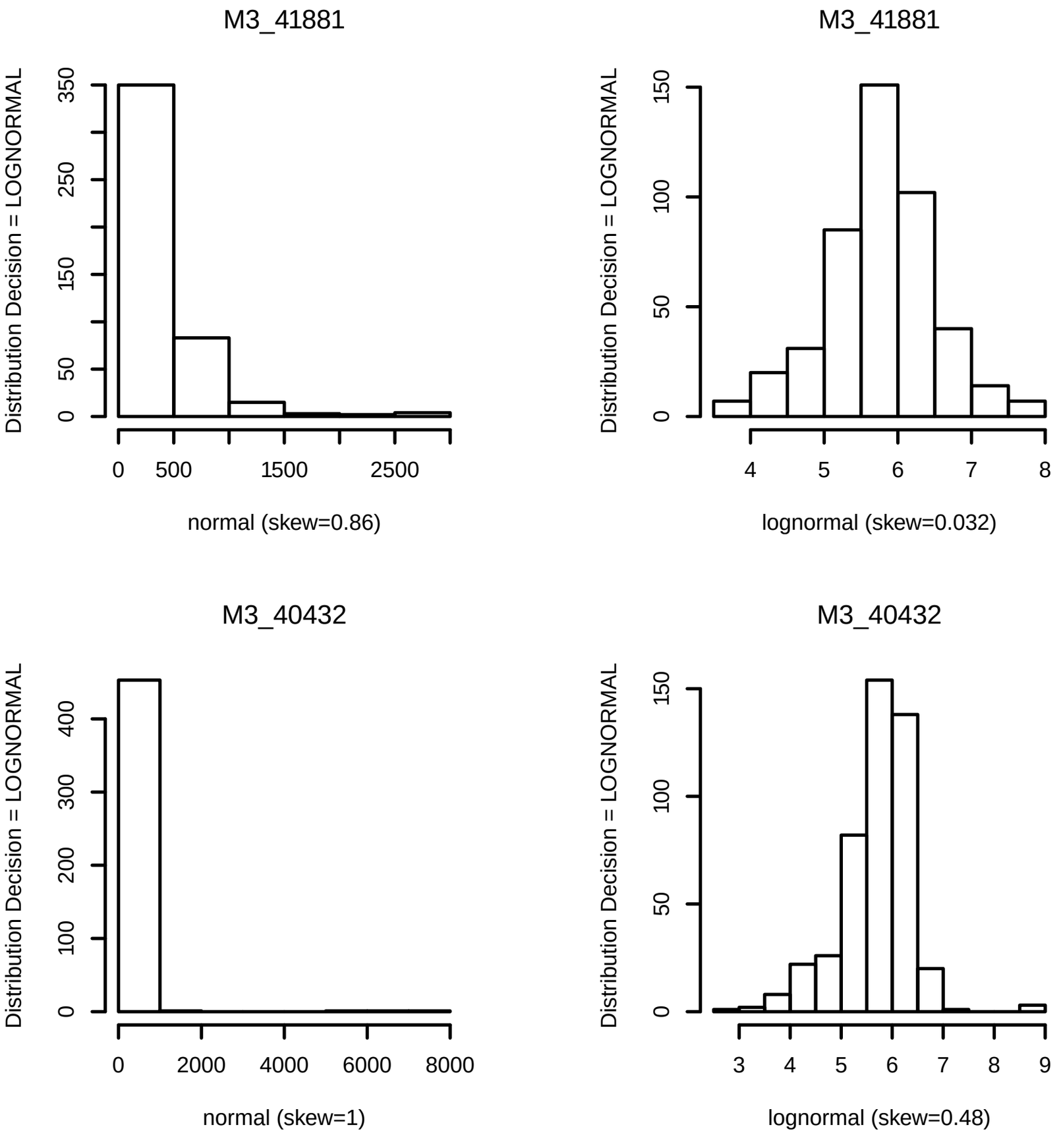

M3_62786
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=1.1)

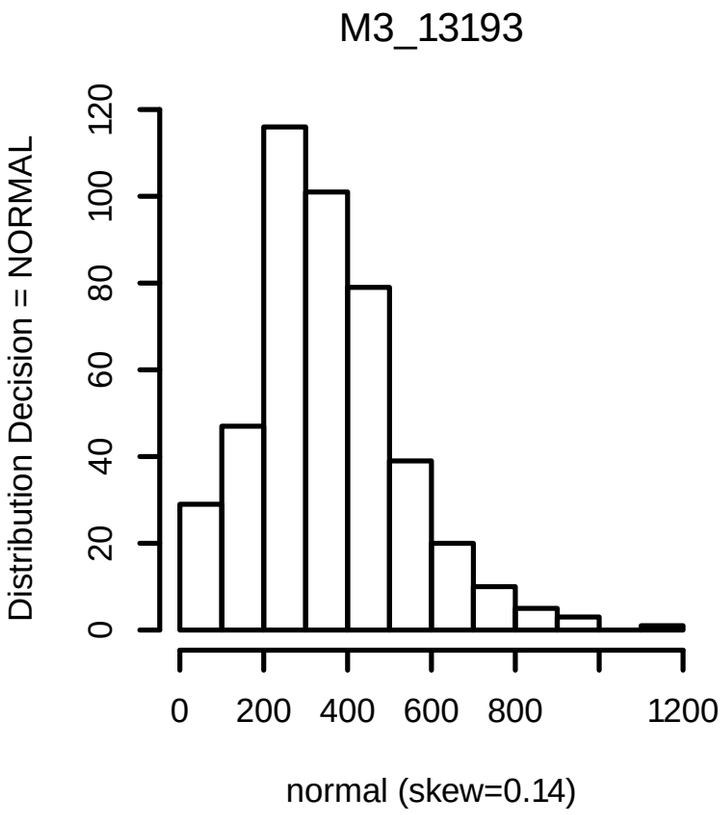

M3_12022
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
50000
100000
150000
normal (skew=1)

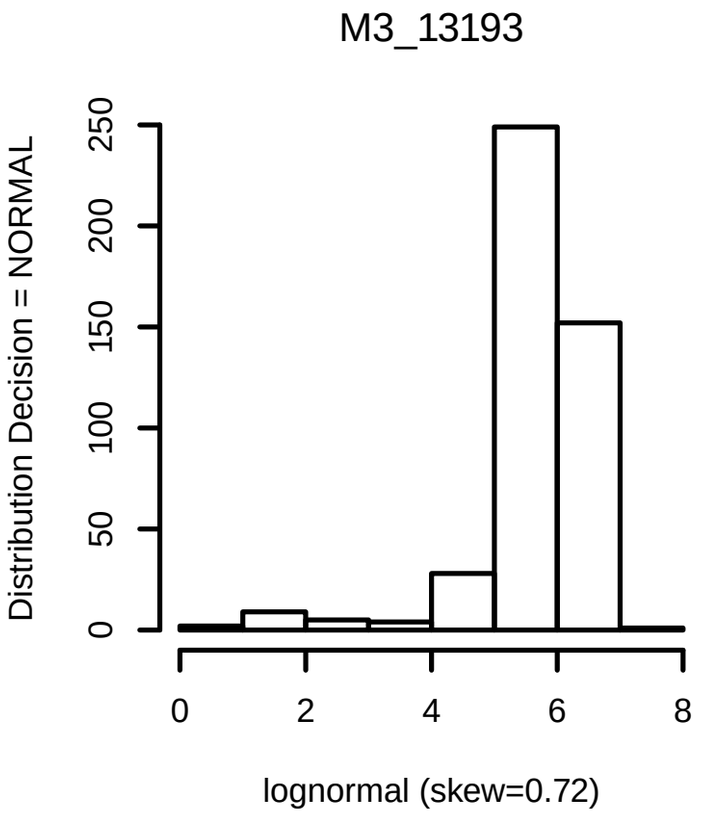

M3_12022
Distribution Decision = LOGNORMAL
0
50
100
150
200
4
6
8
10
12
lognormal (skew=0.035)

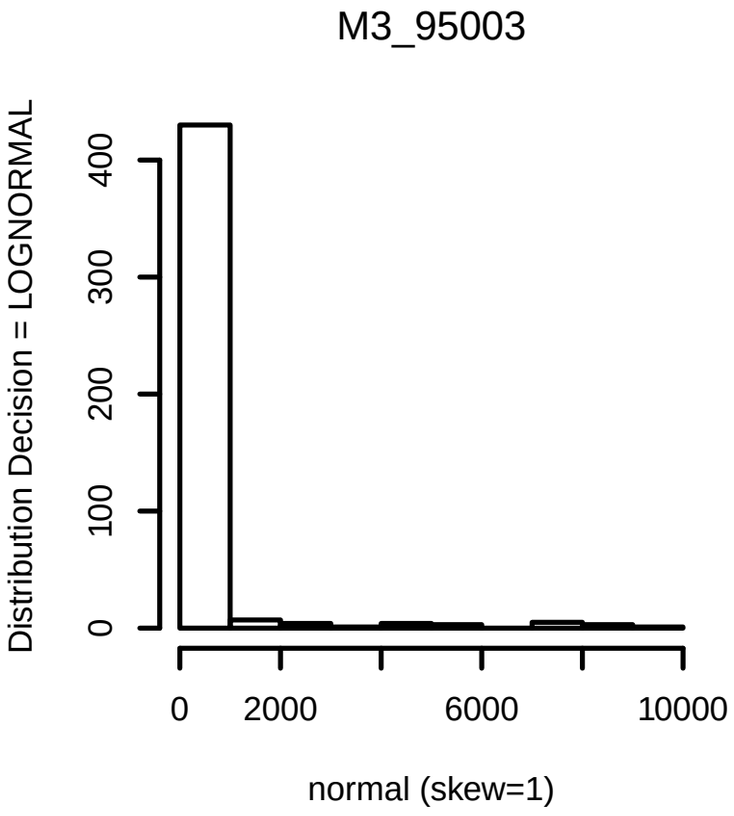

M3_99211
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
2000
normal (skew=0.18)

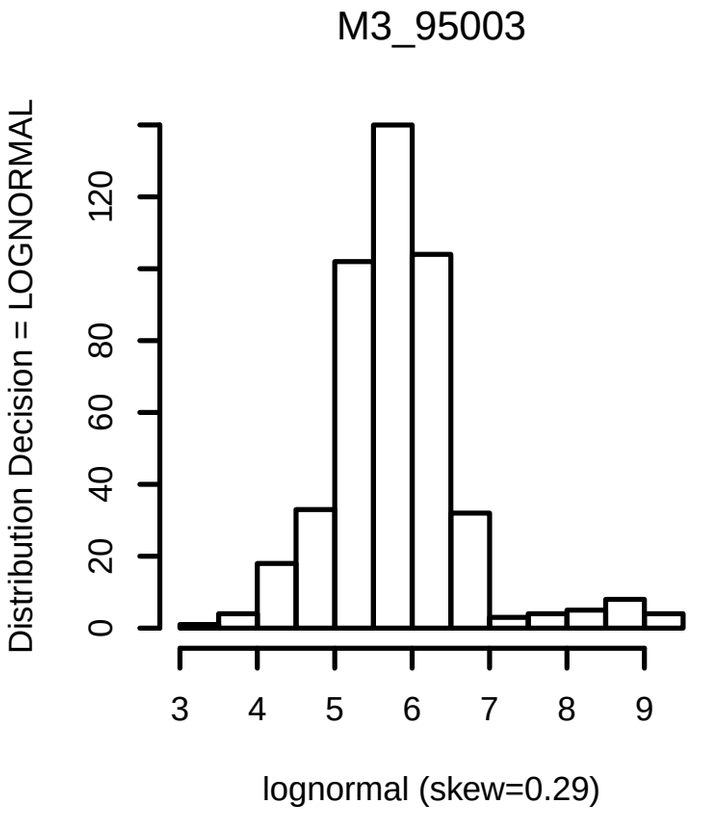

M3_99211
Distribution Decision = NORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.73)

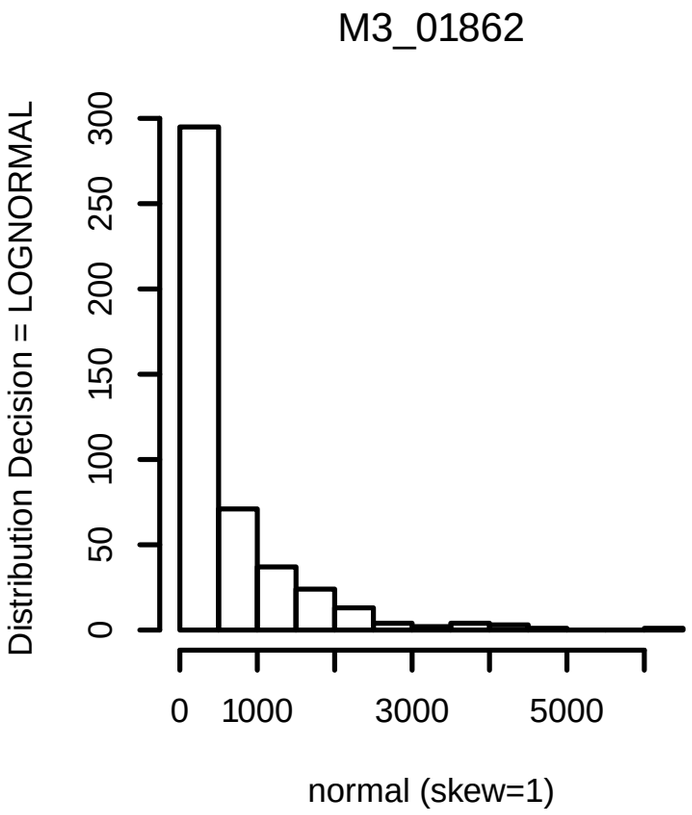

M3_41881
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
500
1500
2500
normal (skew=0.86)
M3_41881
Distribution Decision = LOGNORMAL
0
50
100
150
4
5
6
7
8
lognormal (skew=0.032)
M3_40432
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
4000
6000
8000
normal (skew=1)
M3_40432
Distribution Decision = LOGNORMAL
0
50
100
150
3
4
5
6
7
8
9
lognormal (skew=0.48)

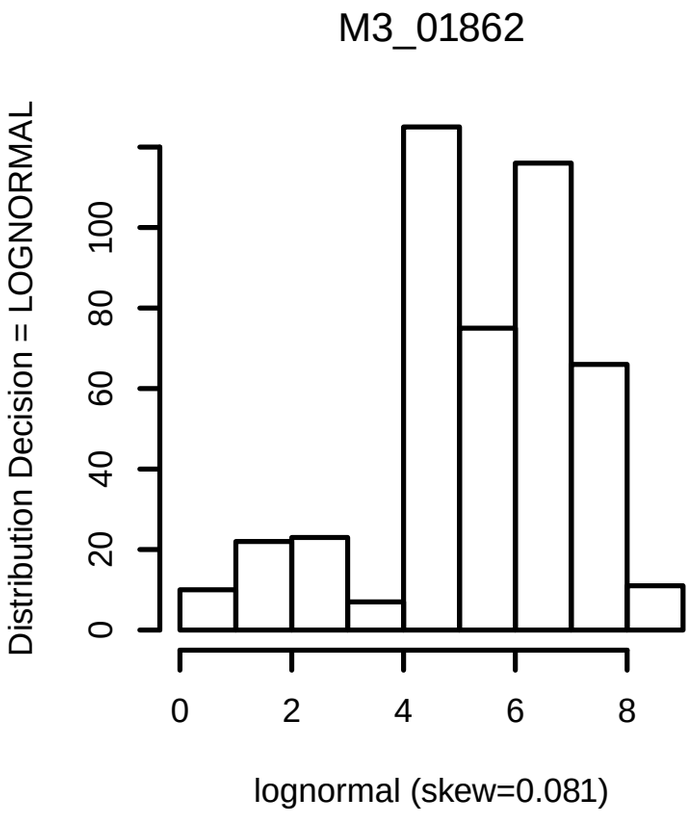

M3_13193
Distribution Decision = NORMAL
0
20
40
60
80
100
120
0
200
400
600
800
1200
normal (skew=0.14)

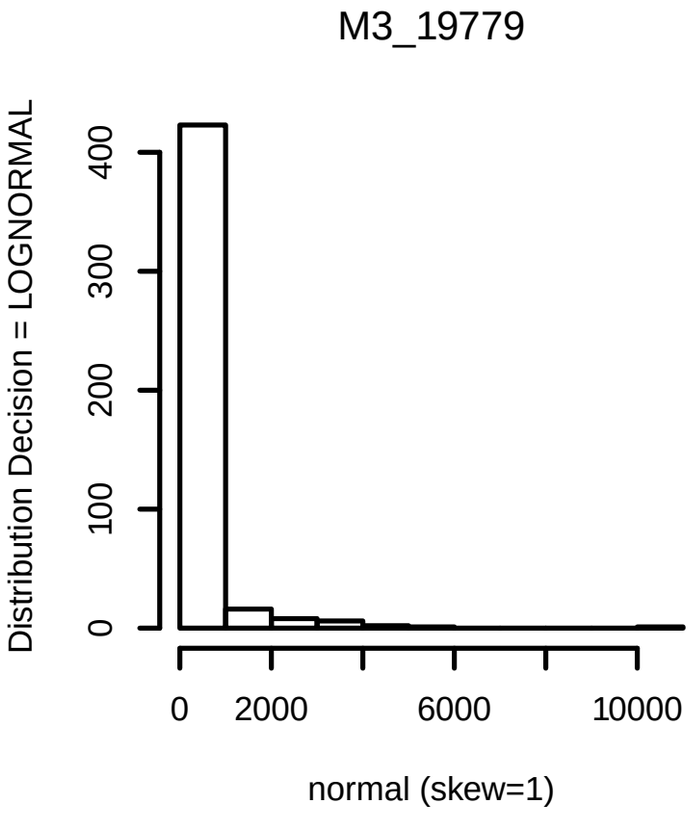

M3_13193
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.72)

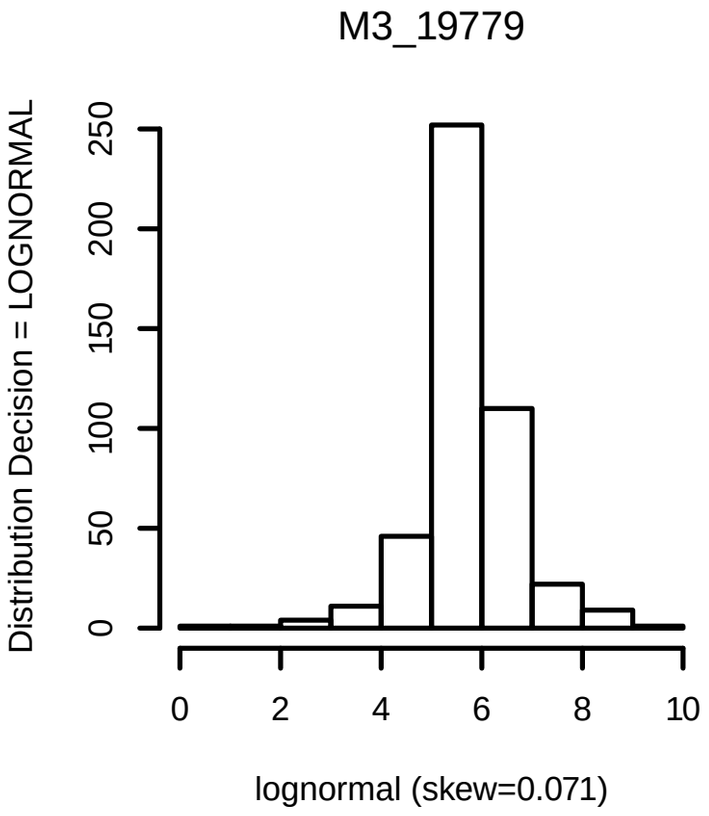

M3_95003
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

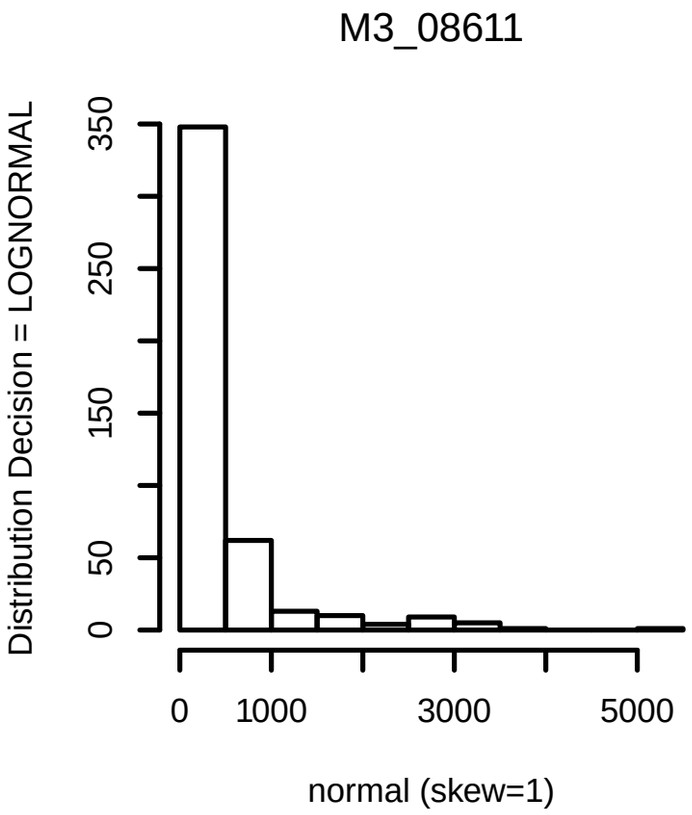

M3_95003
Distribution Decision = LOGNORMAL
0
20
40
60
80
120
3
4
5
6
7
8
9
lognormal (skew=0.29)

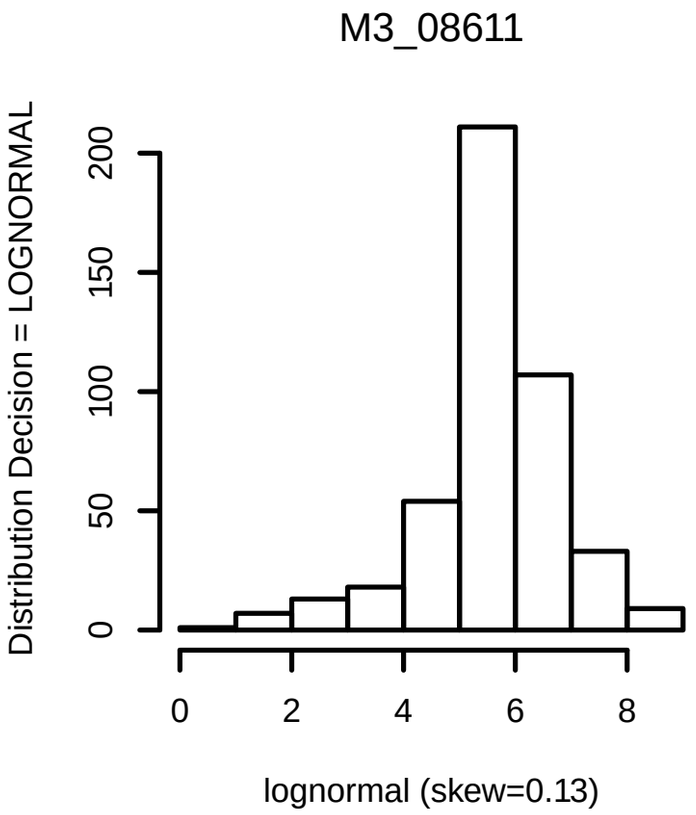

M3_01862
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
300
0
1000
3000
5000
normal (skew=1)

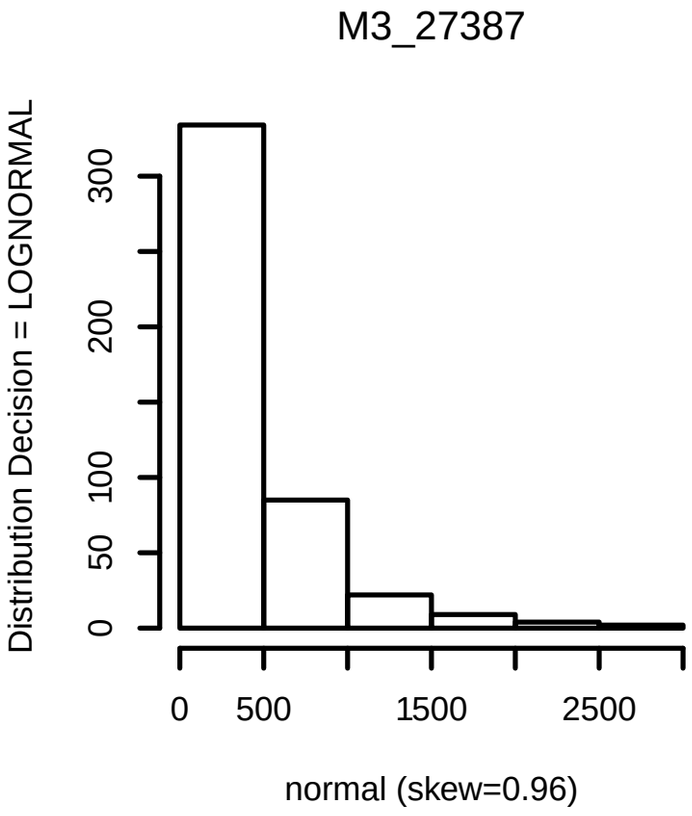

M3_01862
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
2
4
6
8
lognormal (skew=0.081)

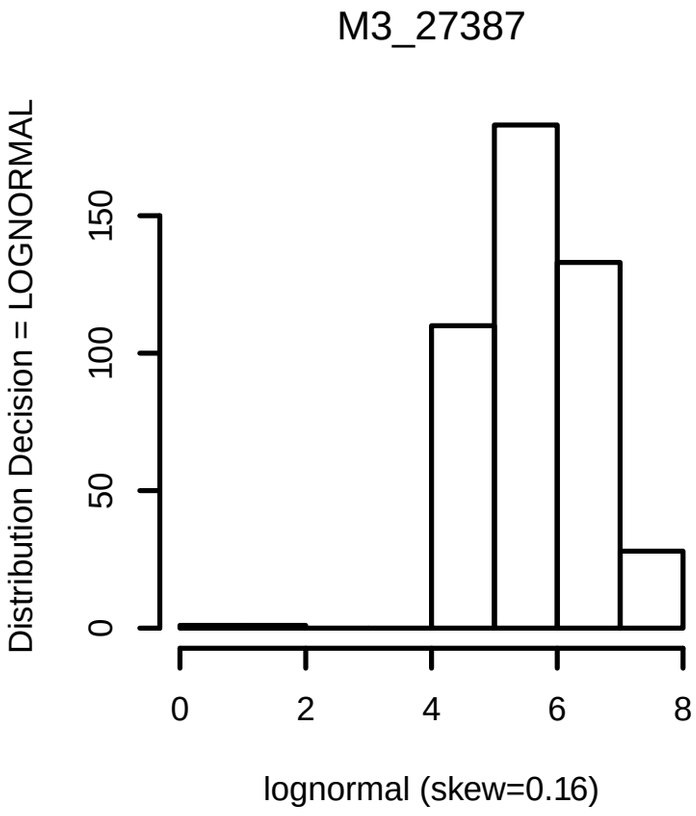

M3_19779
Distribution Decision = LOGNORMAL
0
100
200
300
400
0
2000
6000
10000
normal (skew=1)

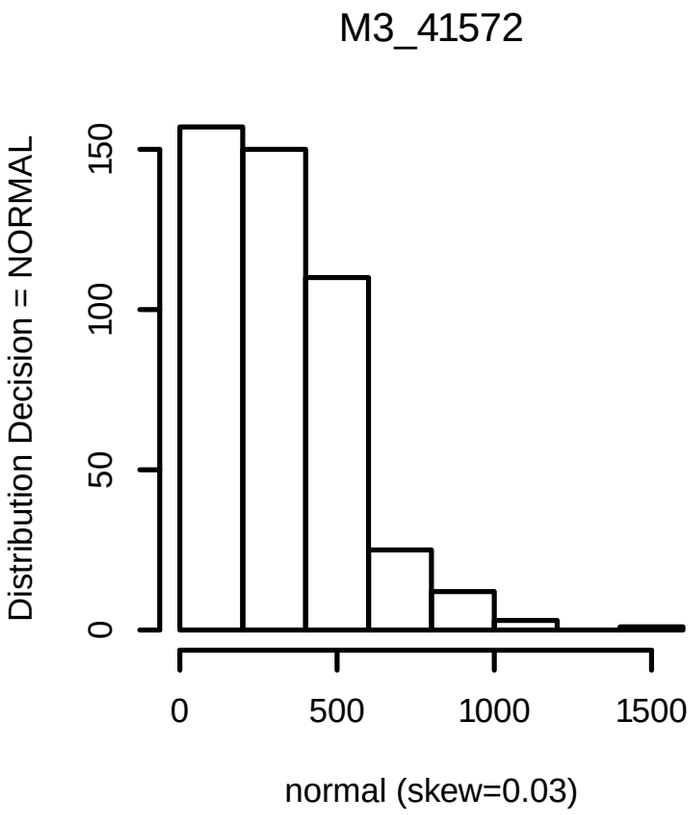

M3_19779
Distribution Decision = LOGNORMAL
0
50
100
150
200
250
0
2
4
6
8
10
lognormal (skew=0.071)

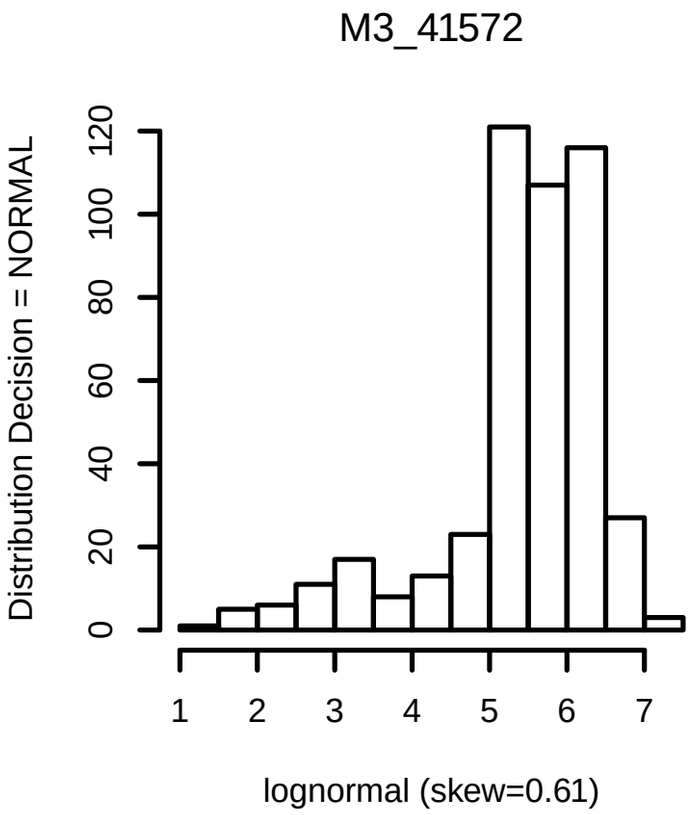

M3_08611
Distribution Decision = LOGNORMAL
0
50
150
250
350
0
1000
3000
5000
normal (skew=1)

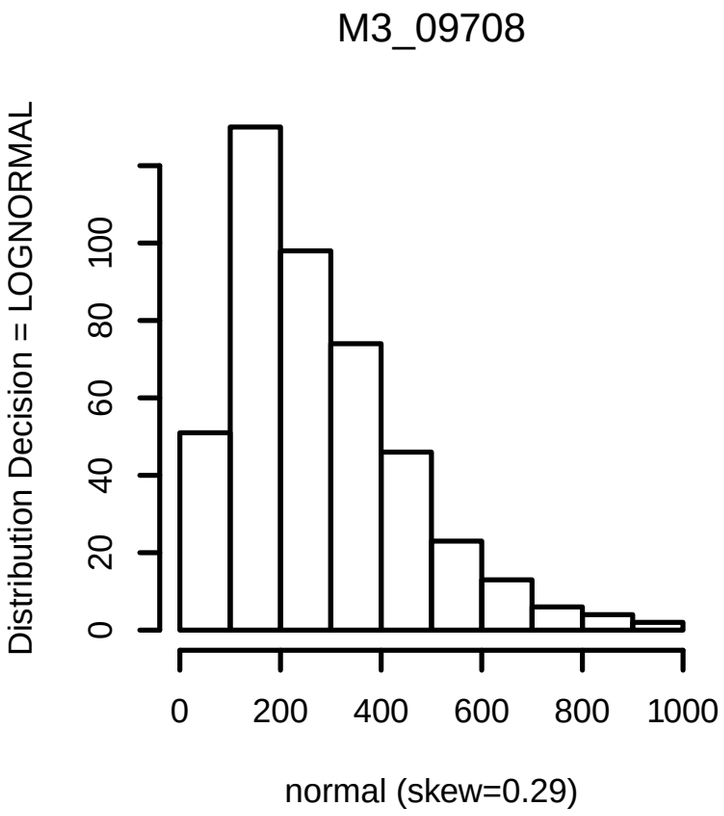

M3_08611
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
2
4
6
8
lognormal (skew=0.13)

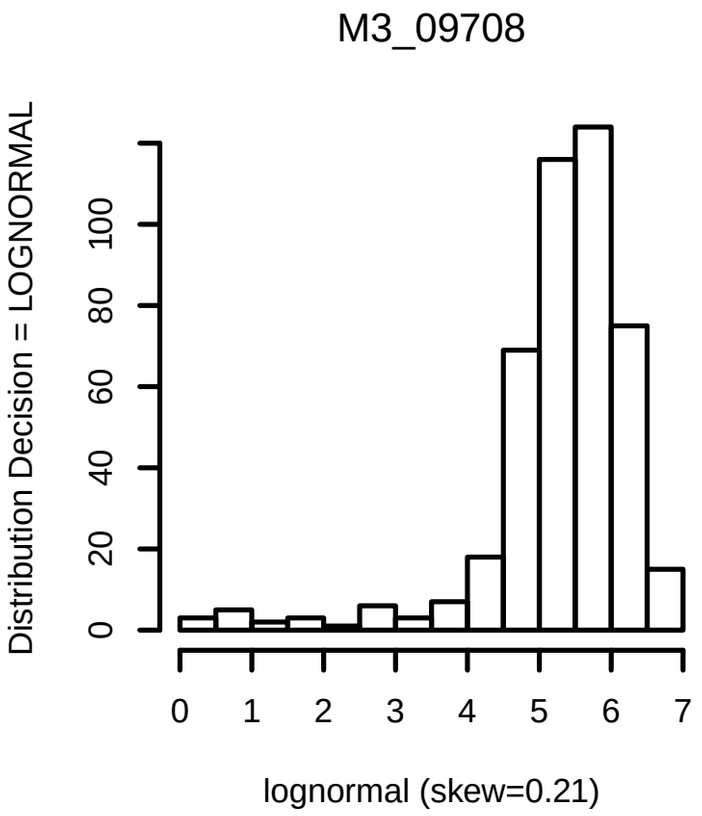

M3_27387
Distribution Decision = LOGNORMAL
0
50
100
200
300
0
500
1500
2500
normal (skew=0.96)

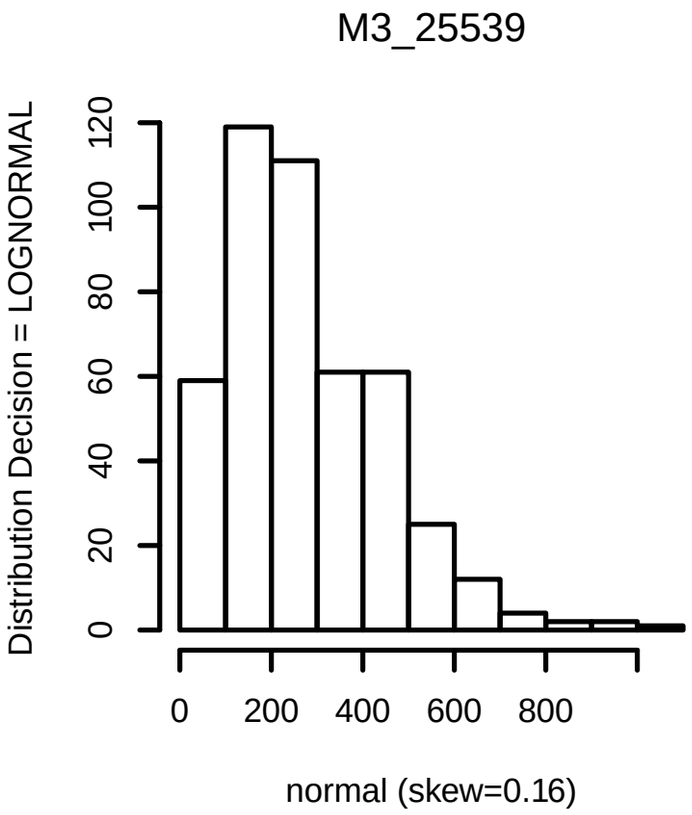

M3_27387
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0.16)

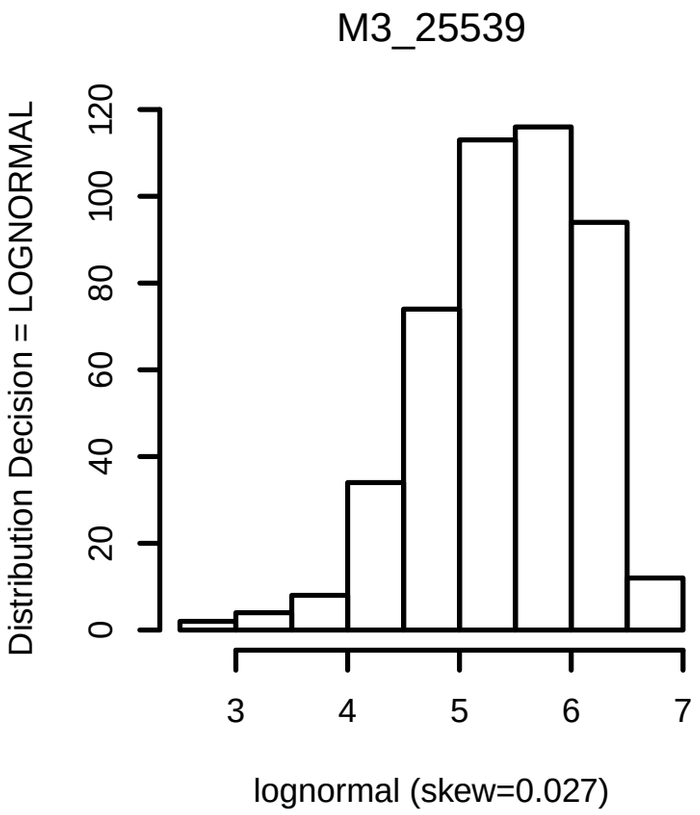

M3_41572
Distribution Decision = NORMAL
0
50
100
150
0
500
1000
1500
normal (skew=0.03)

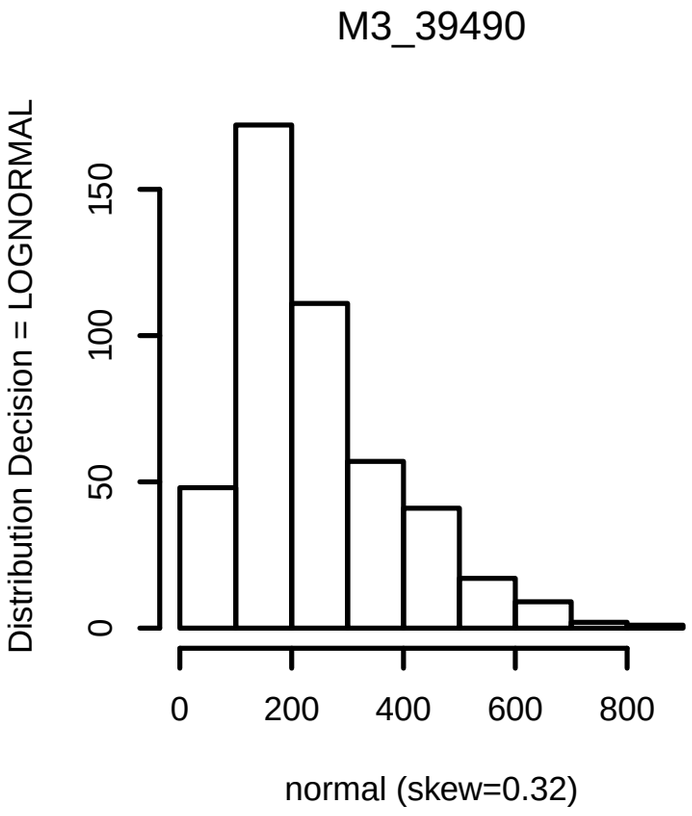

M3_41572
Distribution Decision = NORMAL
0
20
40
60
80
100
120
1
2
3
4
5
6
7
lognormal (skew=0.61)

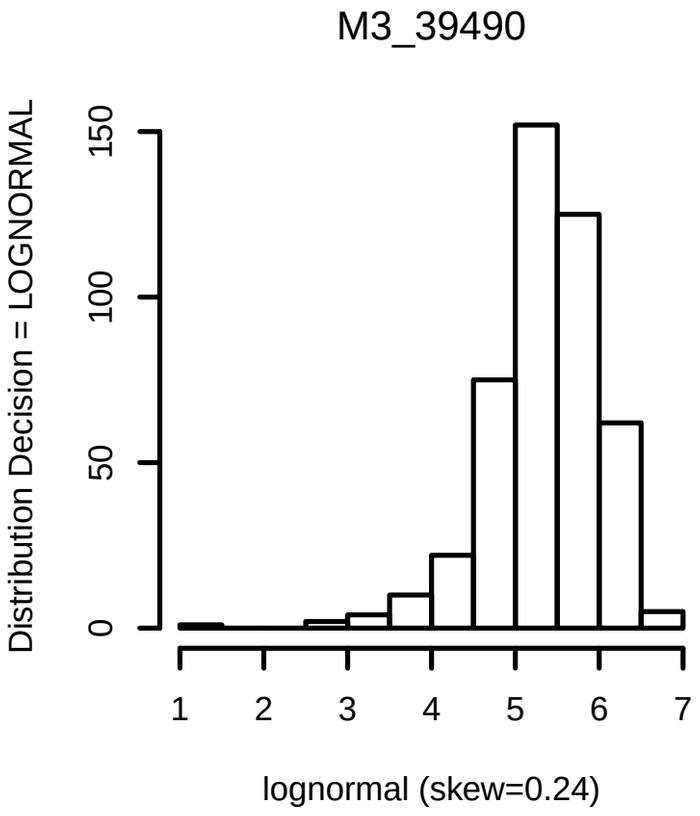

M3_09708
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
200
400
600
800
1000
normal (skew=0.29)

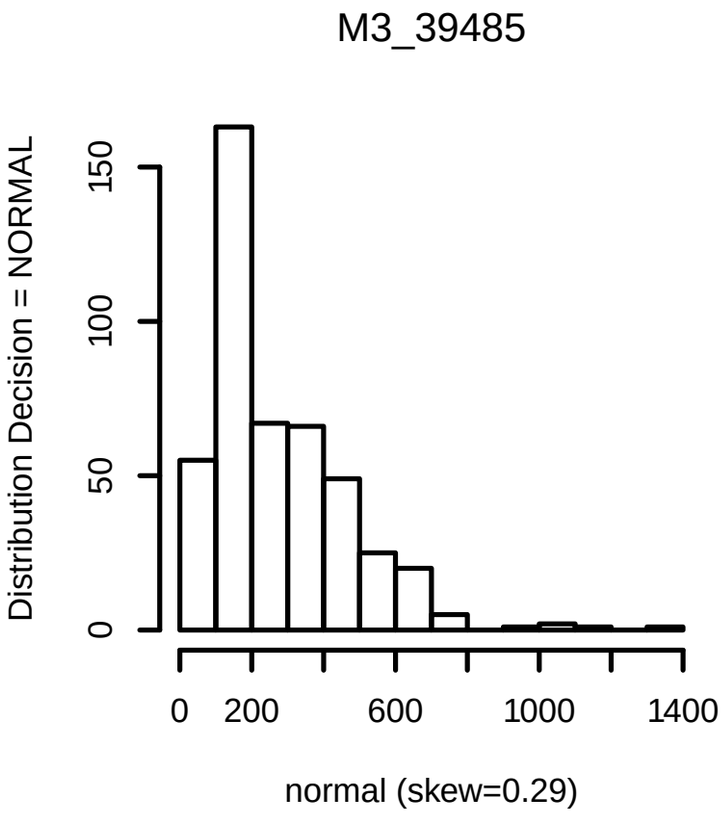

M3_09708
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
0
1
2
3
4
5
6
7
lognormal (skew=0.21)

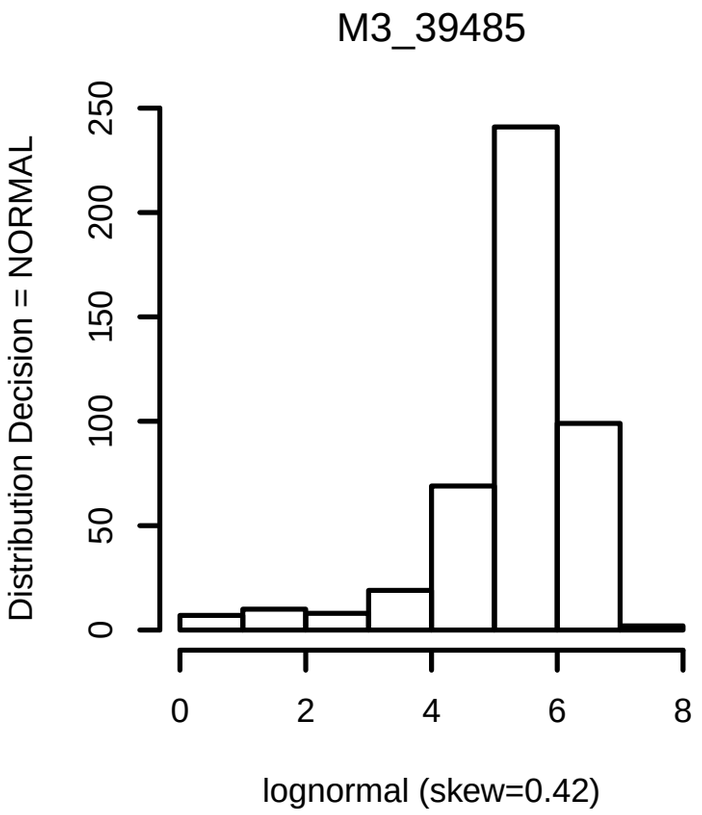

M3_25539
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
0
200
400
600
800
normal (skew=0.16)

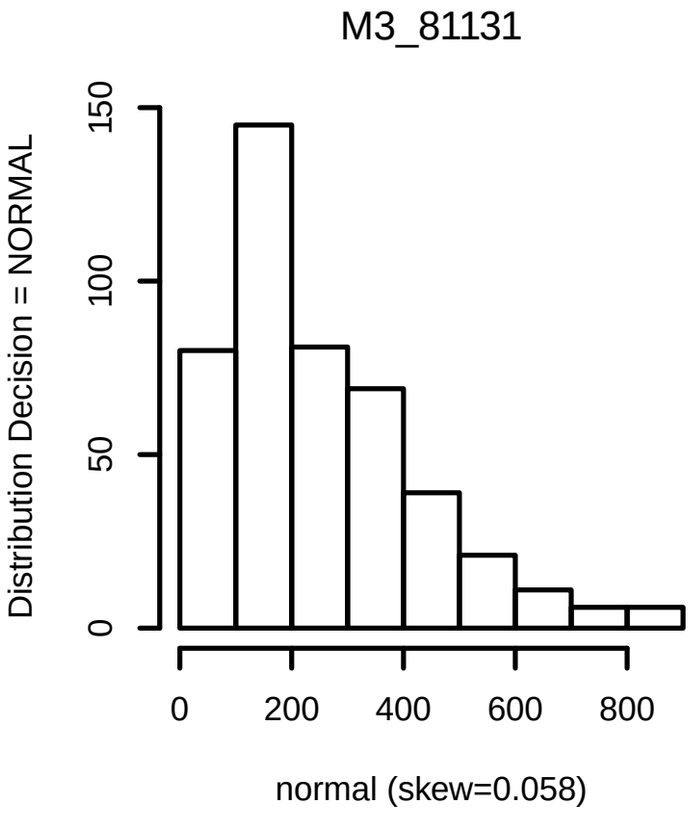

M3_25539
Distribution Decision = LOGNORMAL
0
20
40
60
80
100
120
3
4
5
6
7
lognormal (skew=0.027)

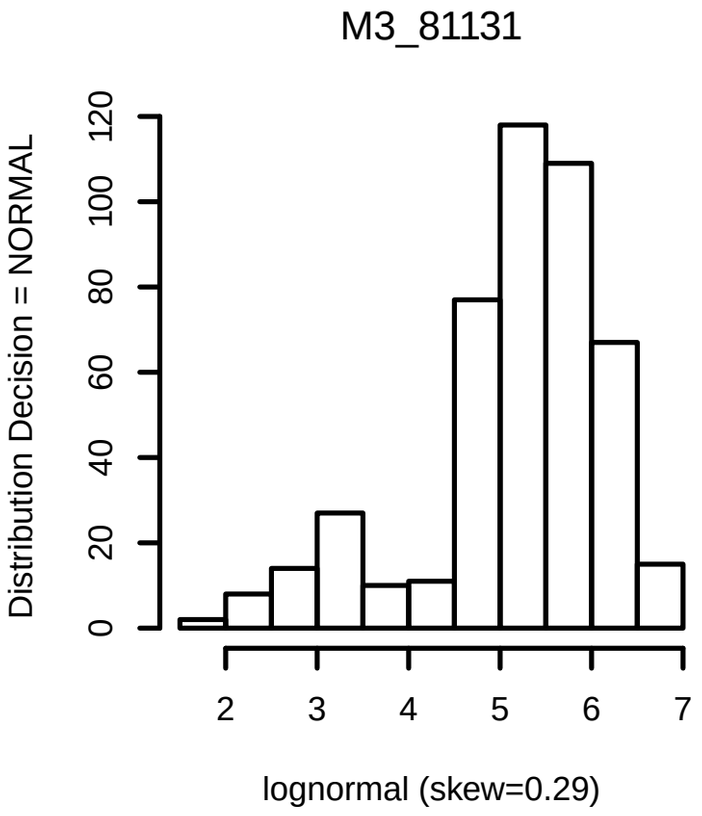

M3_39490
Distribution Decision = LOGNORMAL
0
50
100
150
0
200
400
600
800
normal (skew=0.32)

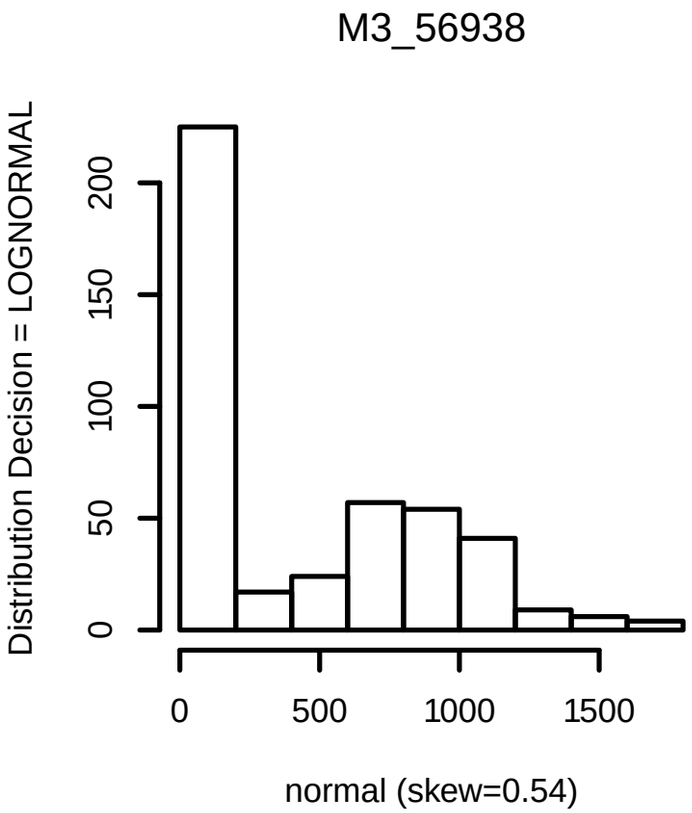

M3_39490
Distribution Decision = LOGNORMAL
0
50
100
150
1
2
3
4
5
6
7
lognormal (skew=0.24)

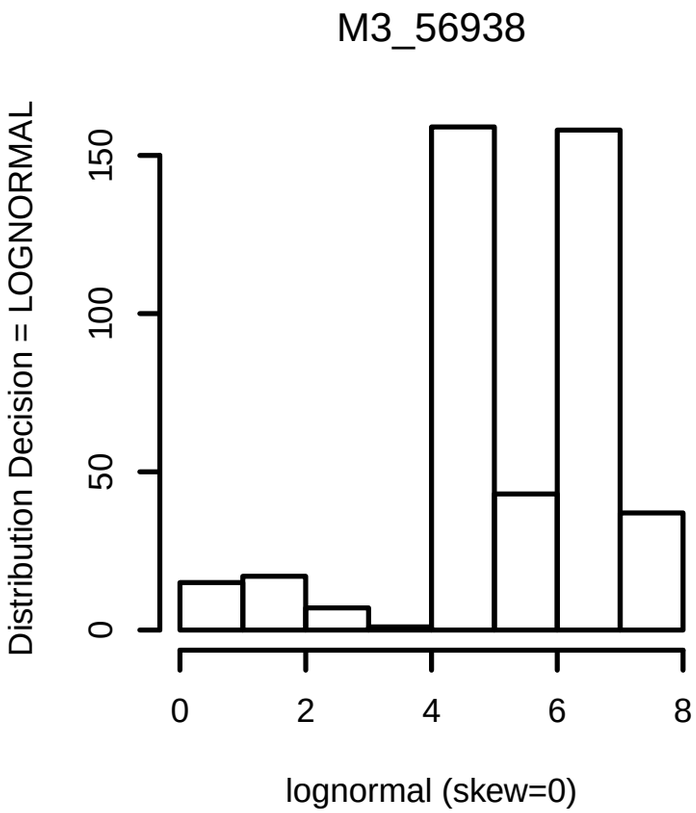

M3_39485
Distribution Decision = NORMAL
0
50
100
150
0
200
600
1000
1400
normal (skew=0.29)


M3_39485
Distribution Decision = NORMAL
0
50
100
150
200
250
0
2
4
6
8
lognormal (skew=0.42)


M3_81131
Distribution Decision = NORMAL
0
50
100
150
0
200
400
600
800
normal (skew=0.058)


M3_81131
Distribution Decision = NORMAL
0
20
40
60
80
100
120
2
3
4
5
6
7
lognormal (skew=0.29)


M3_56938
Distribution Decision = LOGNORMAL
0
50
100
150
200
0
500
1000
1500
normal (skew=0.54)


M3_56938
Distribution Decision = LOGNORMAL
0
50
100
150
0
2
4
6
8
lognormal (skew=0)