

The GLM Procedure

Number of Observations Read	71
Number of Observations Used	71

The GLM Procedure

Dependent Variable: NMOG_B2 NMOG (Bag 2)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	0.00939153	0.00234788	107087	<.0001
Error	66	0.00000145	0.00000002		
Corrected Total	70	0.00939297			

R-Square	Coeff Var	Root MSE	NMOG_B2 Mean
0.999846	1.113835	0.000148	0.013294

Source	DF	Type I SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2	1	0.00939135	0.00939135	428341	<.0001
e10	1	0.00000000	0.00000000	0.17	0.6789
e15	1	0.00000005	0.00000005	2.10	0.1522
e20	1	0.00000013	0.00000013	5.73	0.0195

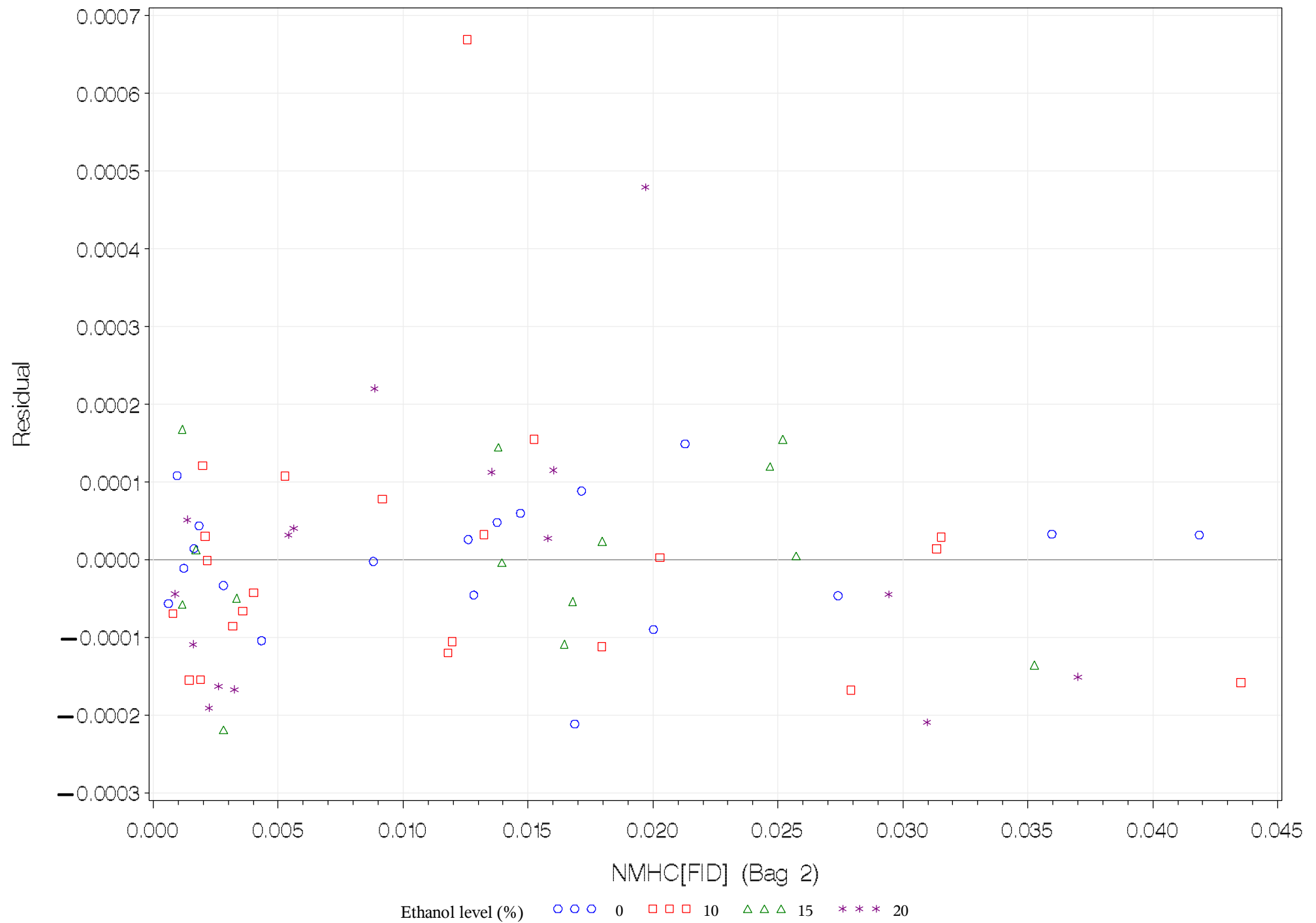
Source	DF	Type III SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2	1	0.00934478	0.00934478	426217	<.0001
e10	1	0.00000008	0.00000008	3.78	0.0561
e15	1	0.00000012	0.00000012	5.53	0.0216
e20	1	0.00000013	0.00000013	5.73	0.0195

The GLM Procedure

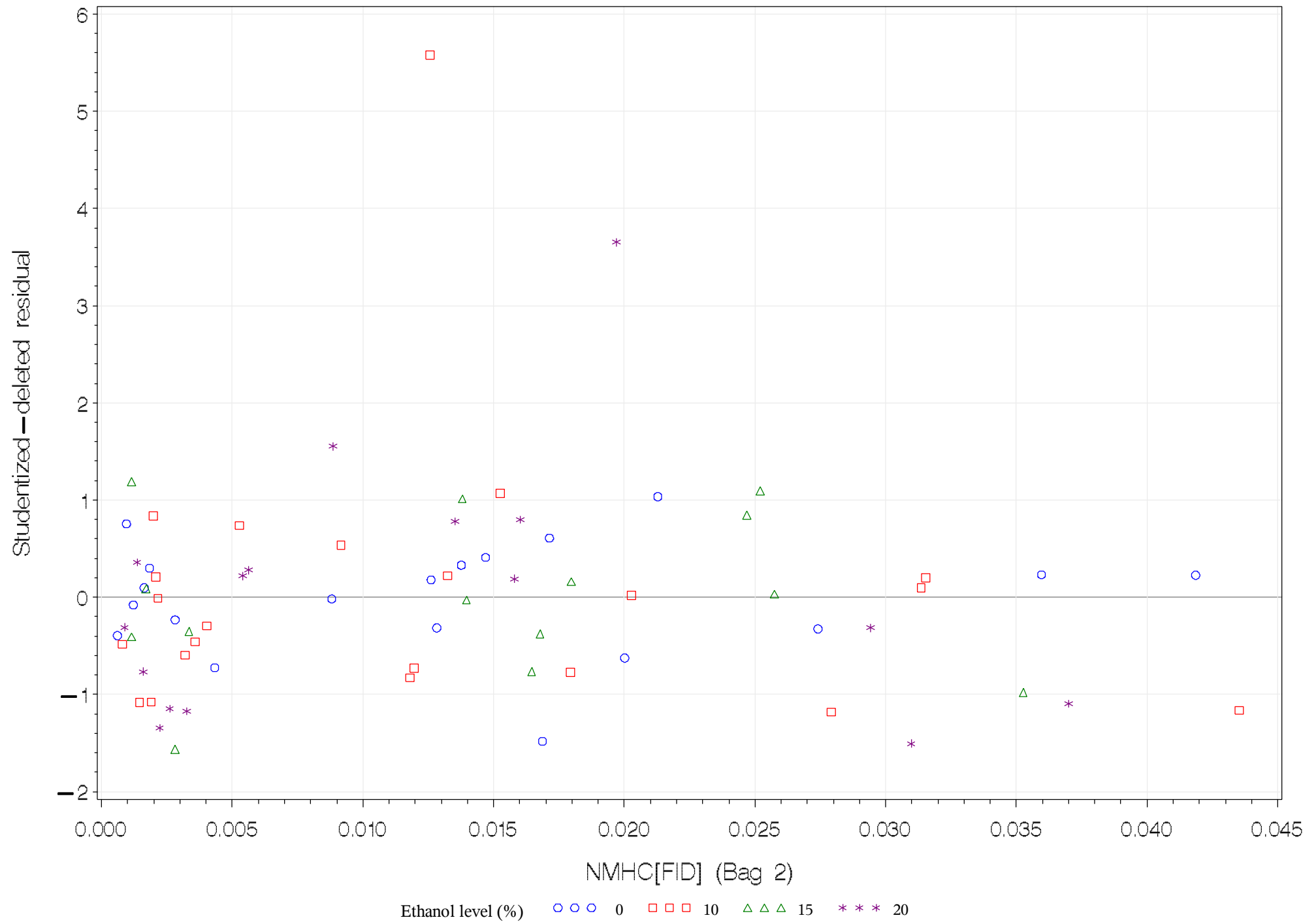
Dependent Variable: NMOG_B2 NMOG (Bag 2)

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	0.000151156	0.00003982	3.80	0.0003
NM_FIDHC_B2	1.003577968	0.00153722	652.85	<.0001
e10	0.000090236	0.00004640	1.94	0.0561
e15	0.000122728	0.00005217	2.35	0.0216
e20	0.000120399	0.00005029	2.39	0.0195

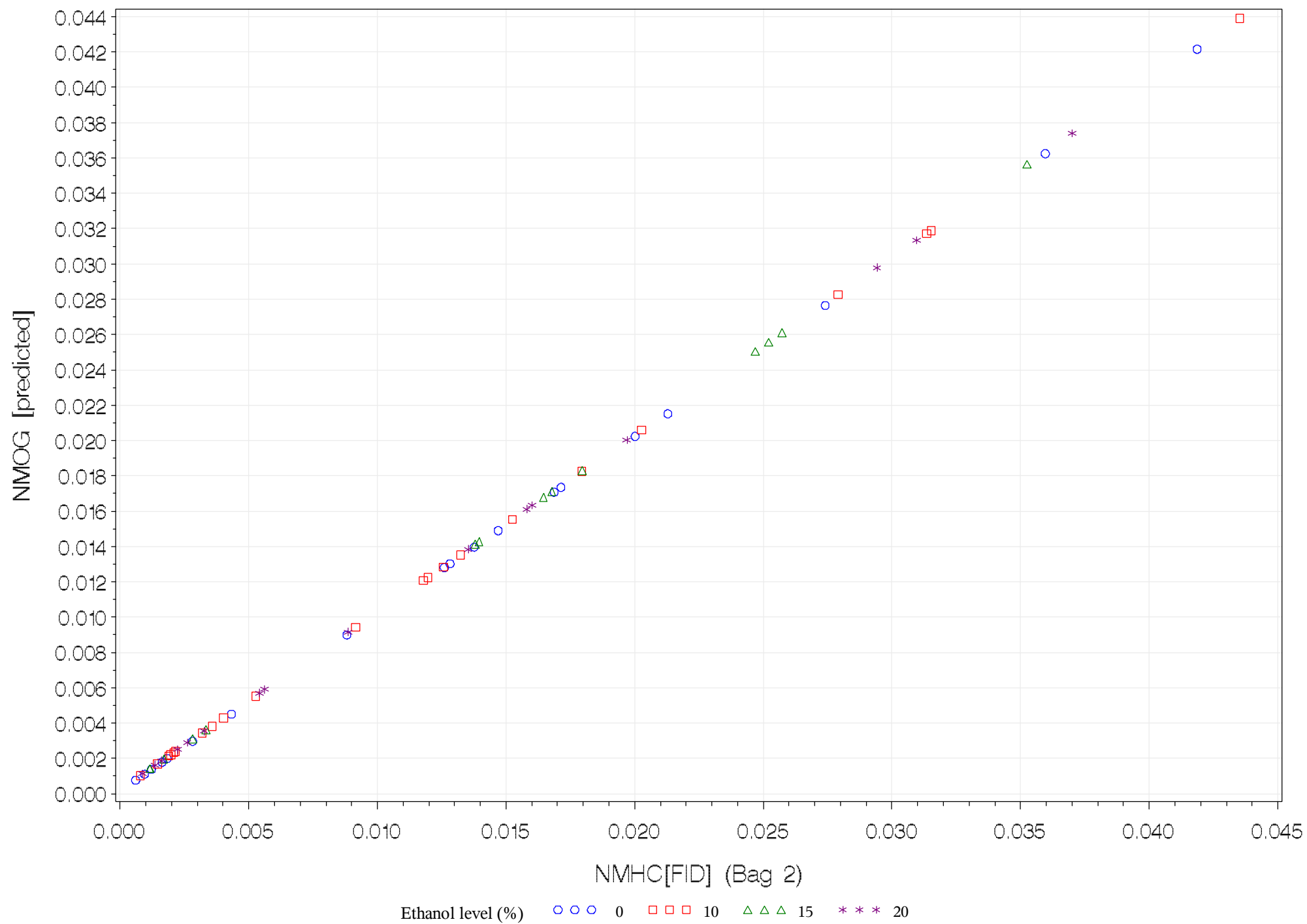
Imputing Bag 2 NMOG from FID NMHC
Model 1: Intercepts for Ethanol Level



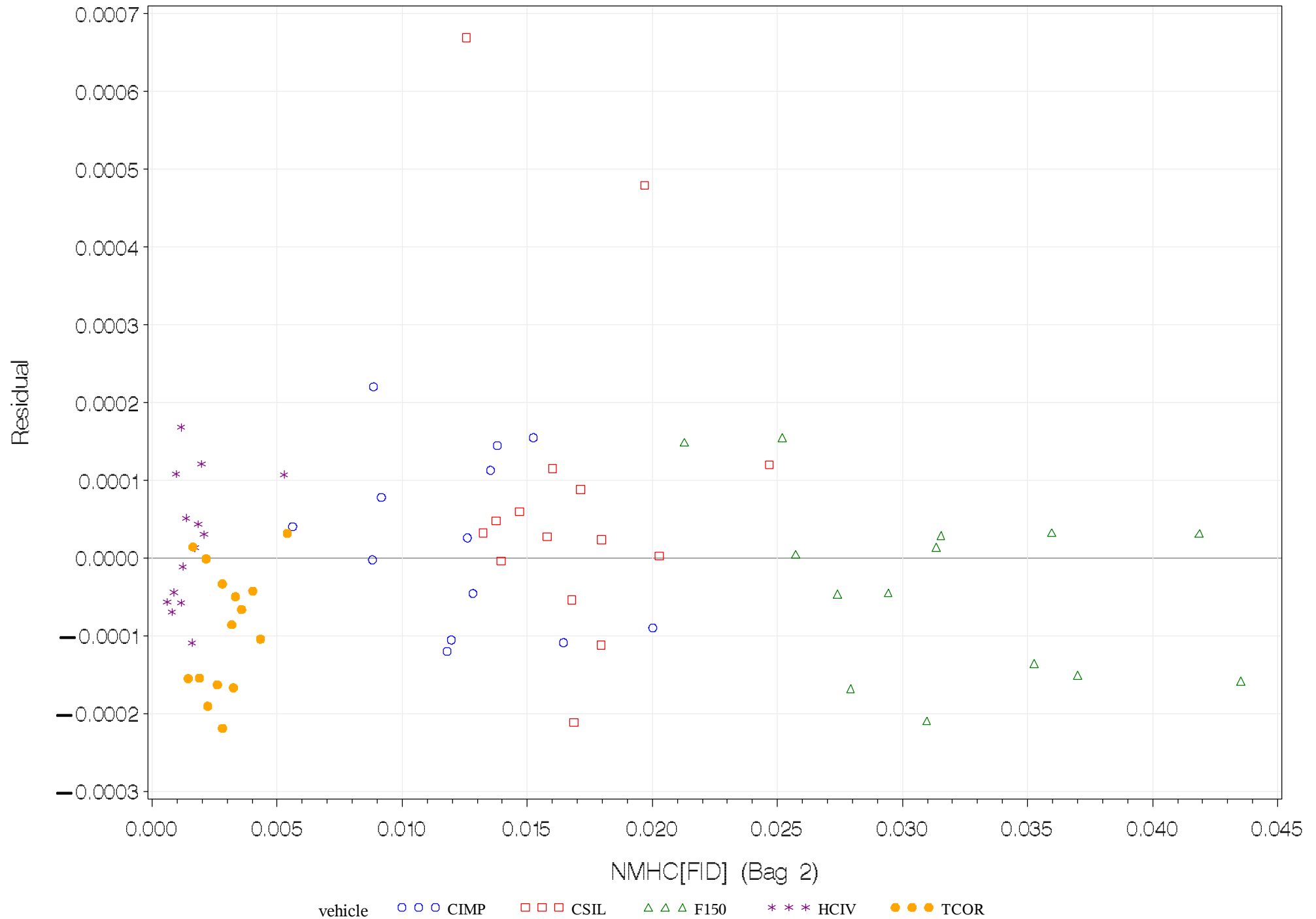
Imputing Bag 2 NMOG from FID NMHC
Model 1: Intercepts for Ethanol Level



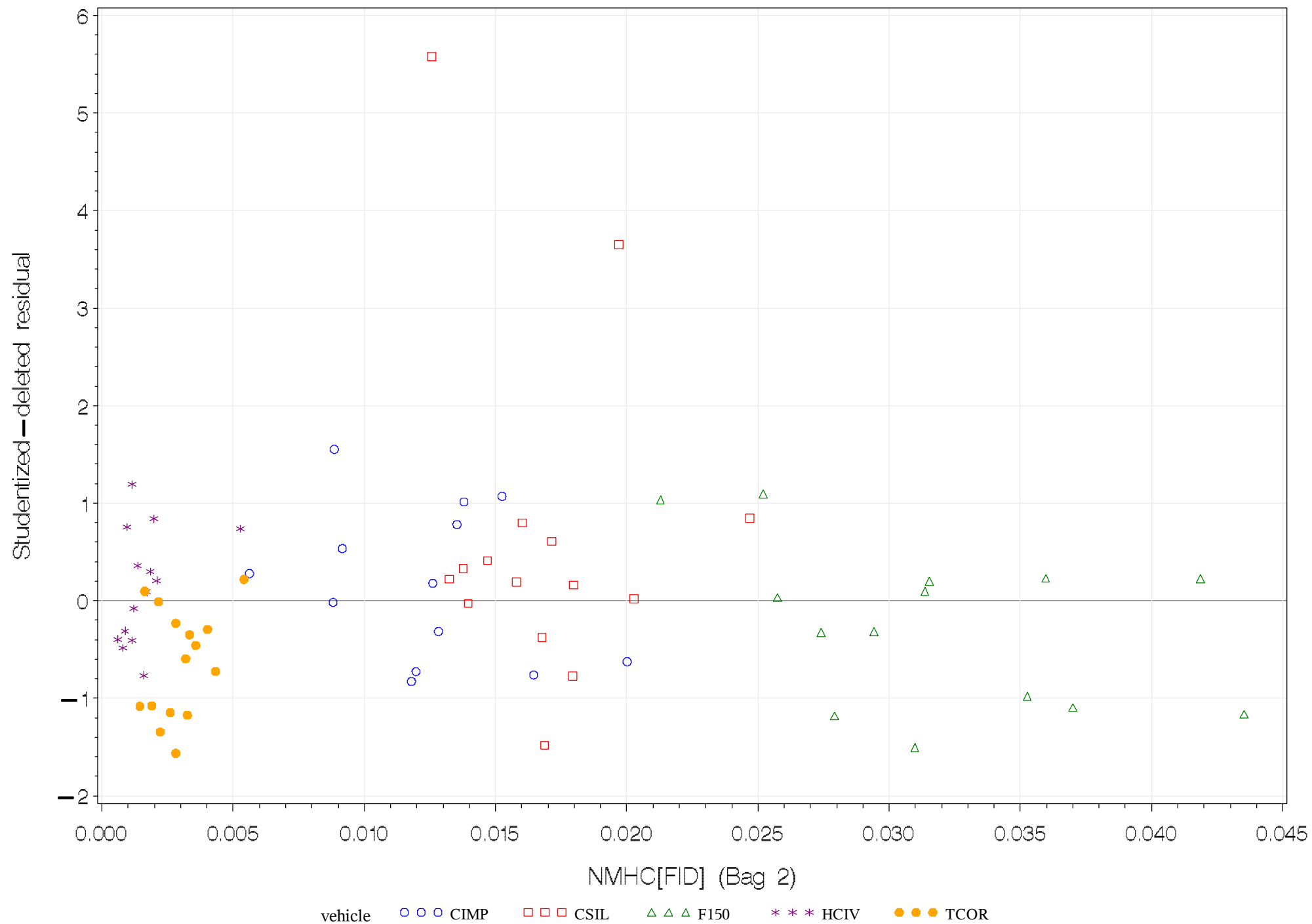
Imputing Bag 2 NMOG from FID NMHC
Model 1: Intercepts for Ethanol Level



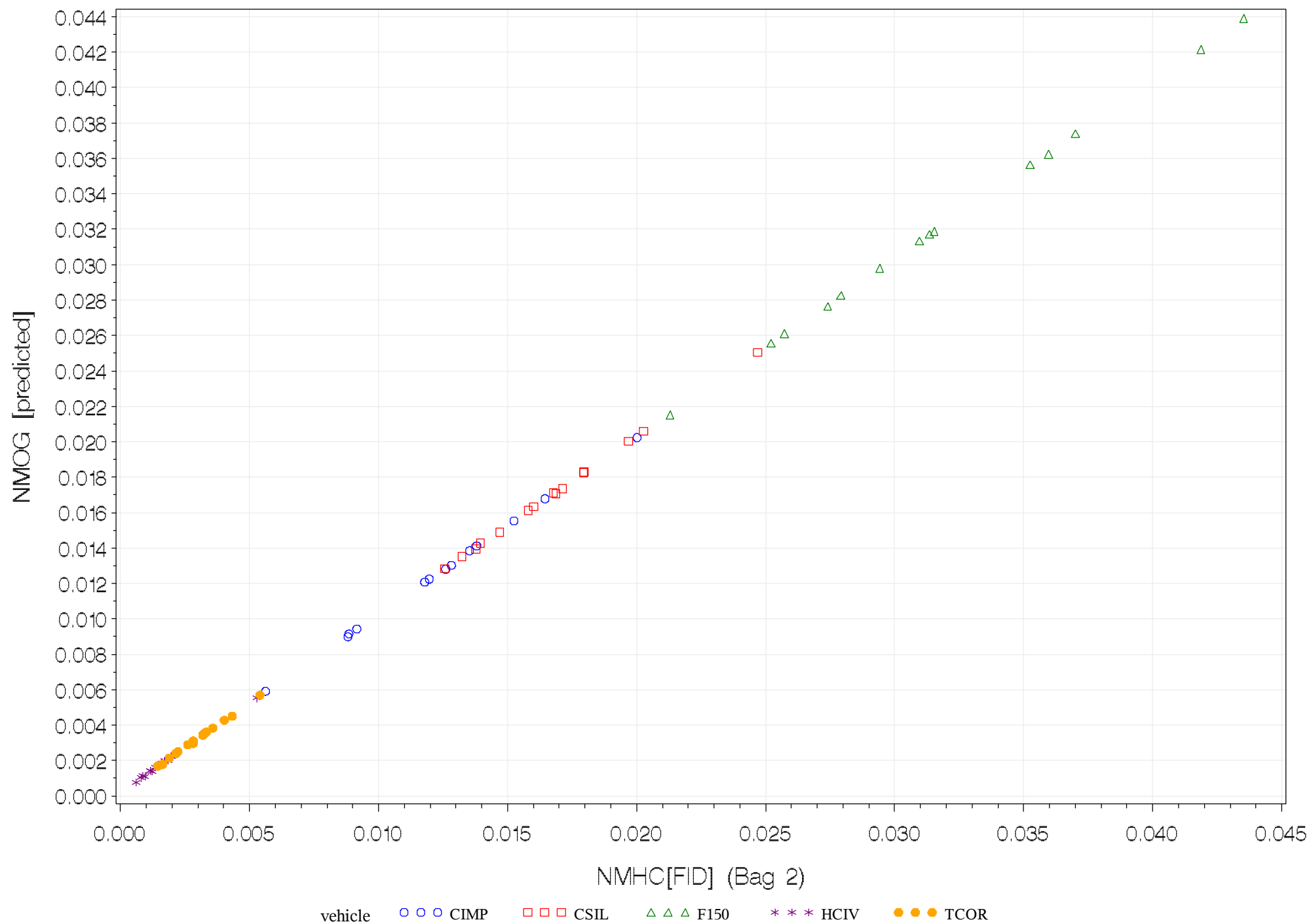
Model 1: Intercepts for Ethanol Level



Imputing Bag 2 NMOG from FID NMHC
Model 1: Intercepts for Ethanol Level



Imputing Bag 2 NMOG from FID NMHC
Model 1: Intercepts for Ethanol Level



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The GLM Procedure

Dependent Variable: NMOG_B2 NMOG (Bag 2)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	0.00933916	0.00233479	204200	<.0001
Error	64	0.00000073	0.00000001		
Corrected Total	68	0.00933989			

R-Square	Coeff Var	Root MSE	NMOG_B2 Mean
0.999922	0.810944	0.000107	0.013186

Source	DF	Type I SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2	1	0.00933902	0.00933902	816789	<.0001
e10	1	0.00000000	0.00000000	0.04	0.8483
e15	1	0.00000007	0.00000007	6.20	0.0154
e20	1	0.00000006	0.00000006	5.61	0.0208

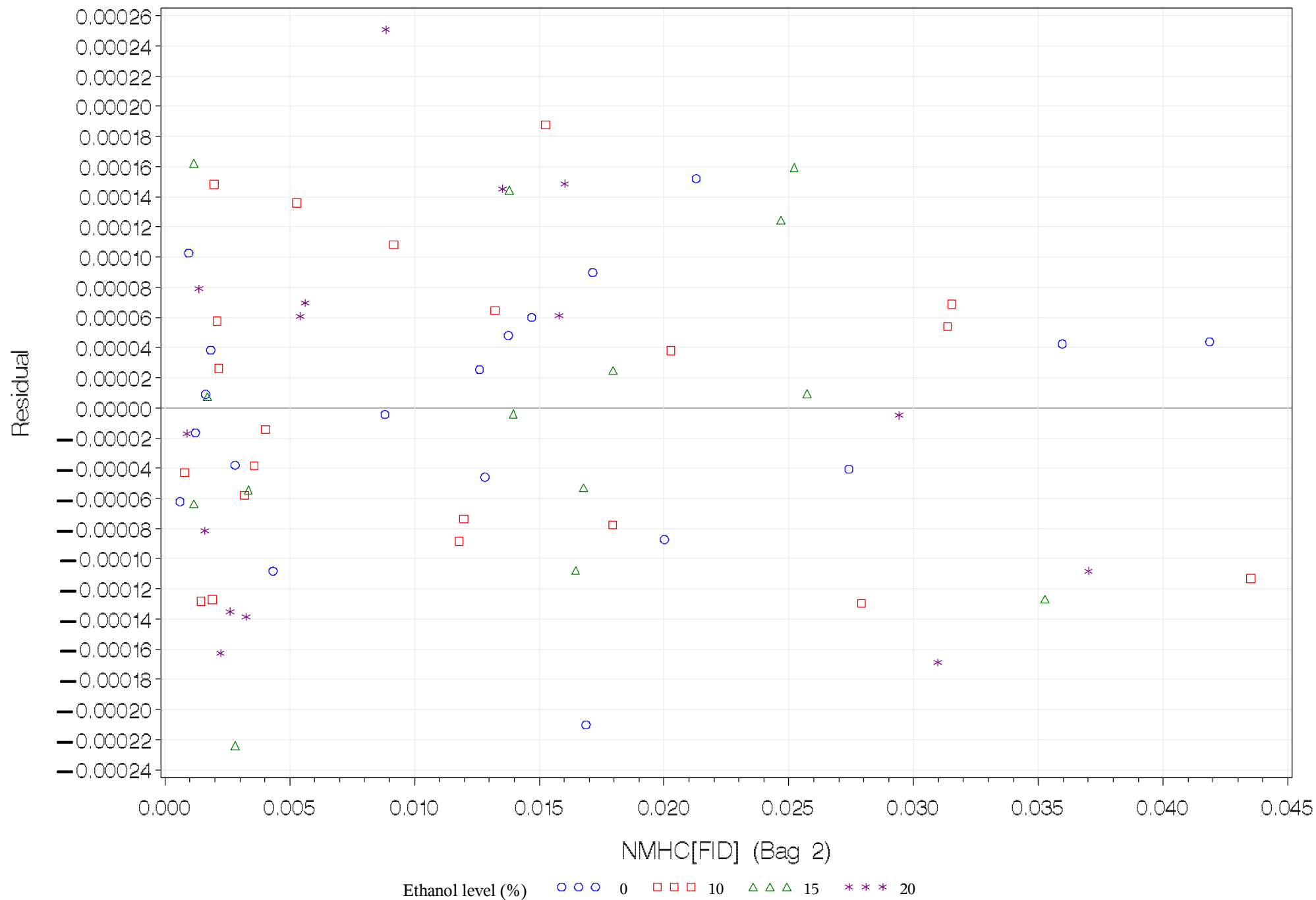
Source	DF	Type III SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2	1	0.00927548	0.00927548	811232	<.0001
e10	1	0.00000003	0.00000003	2.92	0.0922
e15	1	0.00000012	0.00000012	10.67	0.0018
e20	1	0.00000006	0.00000006	5.61	0.0208

The GLM Procedure

Dependent Variable: NMOG_B2 NMOG (Bag 2)

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	0.000156975	0.00002878	5.45	<.0001
NM_FIDHC_B2	1.003147342	0.00111376	900.68	<.0001
e10	0.000057909	0.00003388	1.71	0.0922
e15	0.000123063	0.00003767	3.27	0.0018
e20	0.000087647	0.00003699	2.37	0.0208

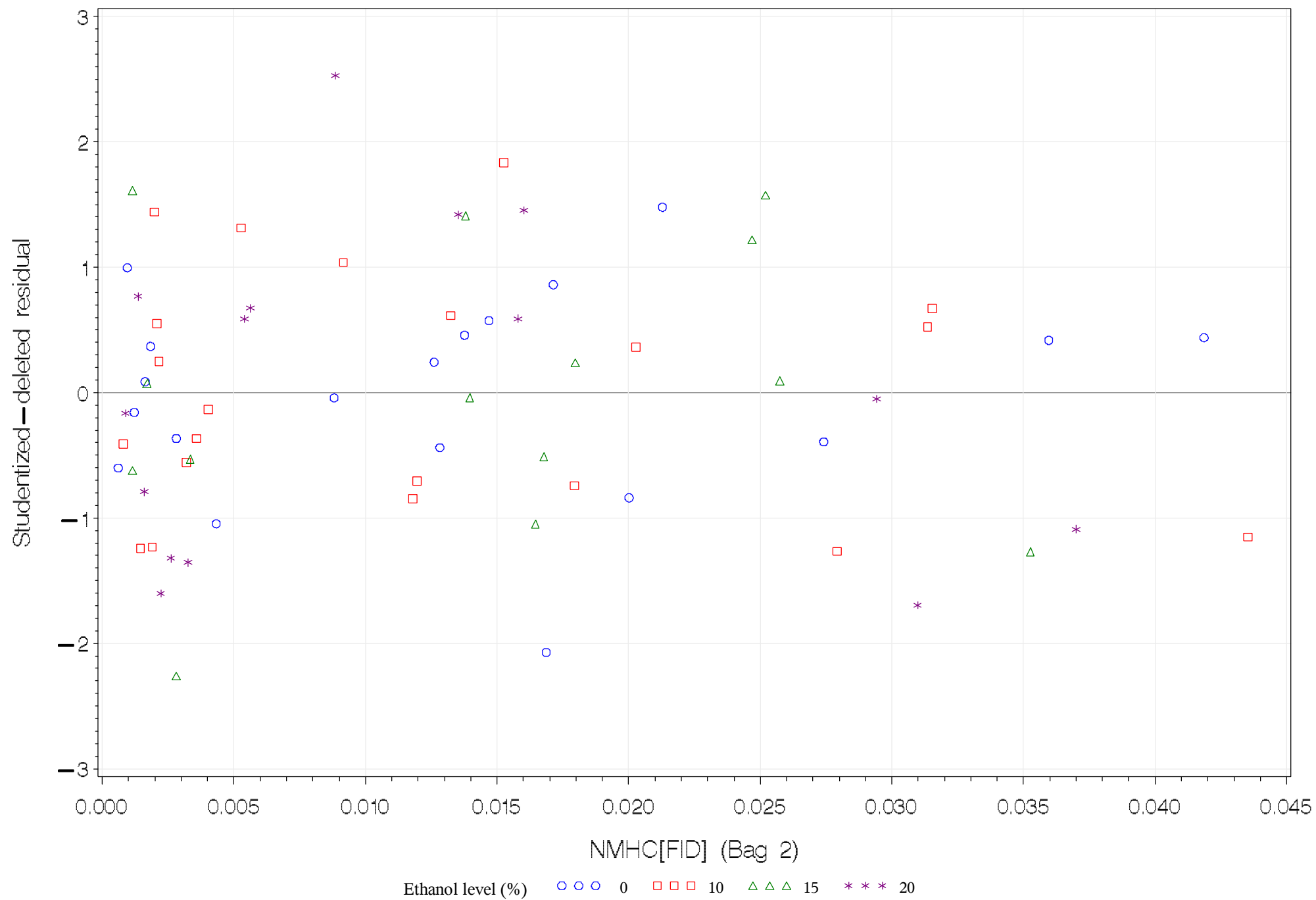
OUTLIER REMOVED



Imputing Bag 2 NMOG from FID NMHC

Model 1.a: Intercepts for Ethanol Level

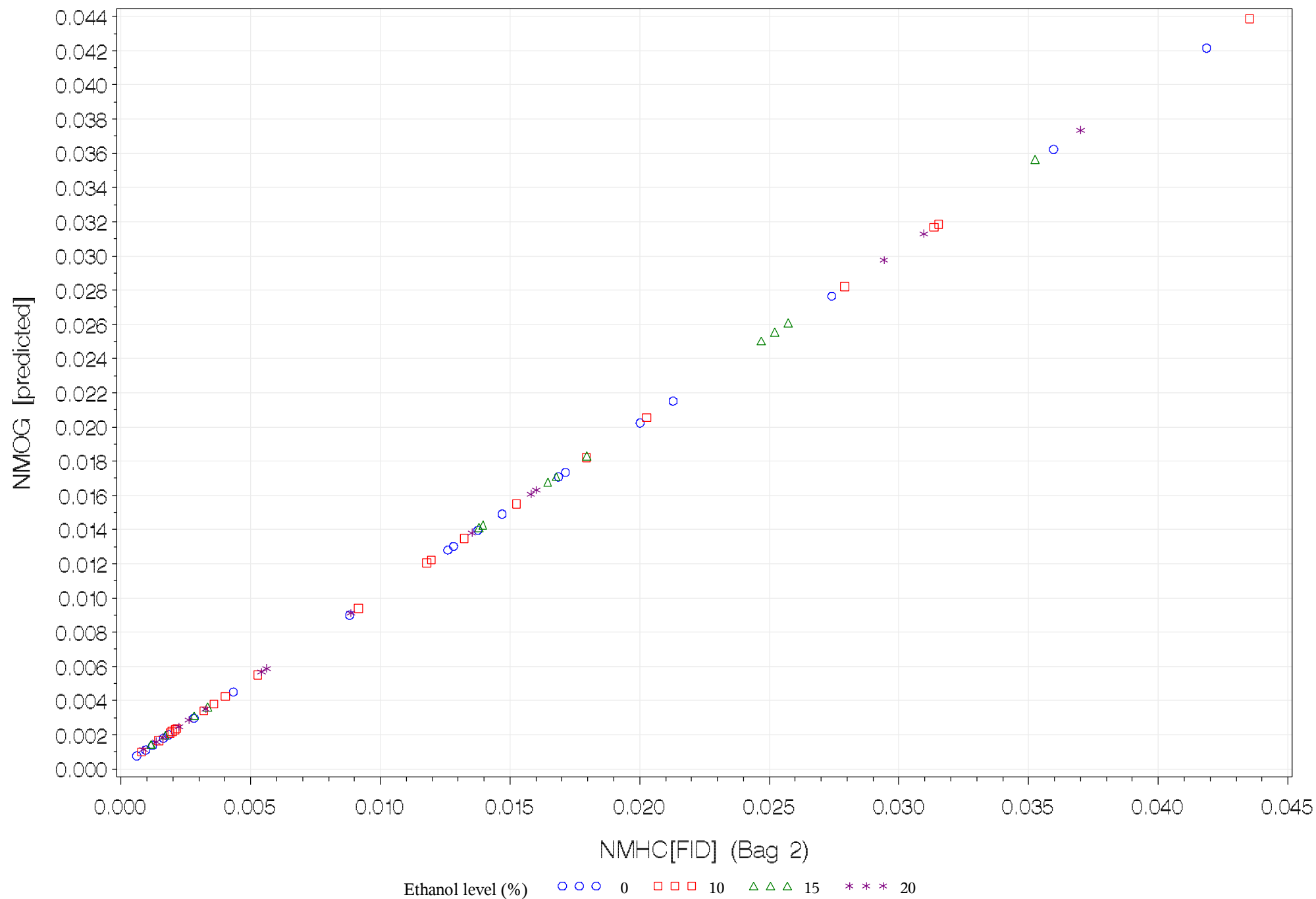
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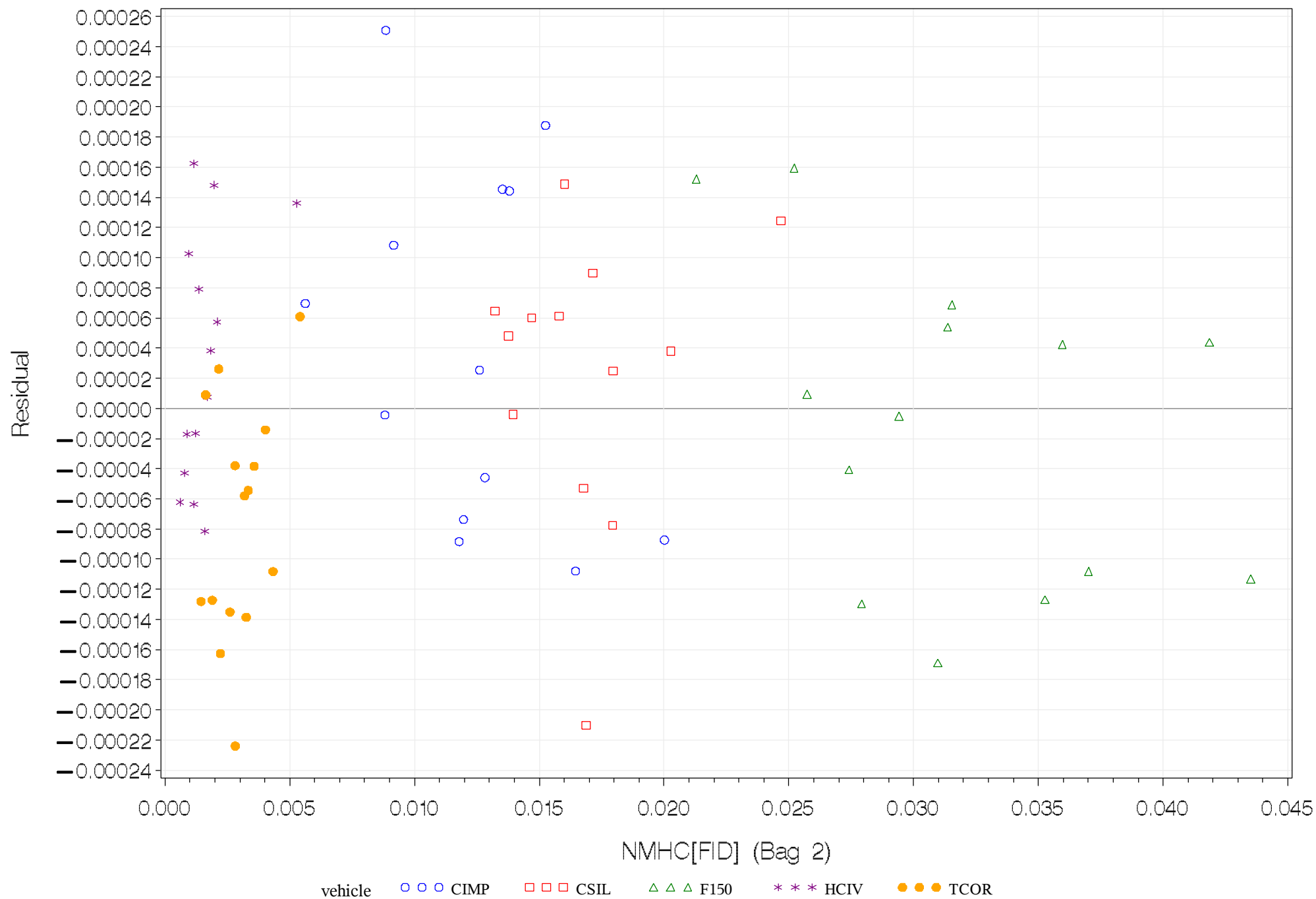
Imputing Bag 2 NMOG from FID NMHC

Model 1.a: Intercepts for Ethanol Level

OUTLIER REMOVED



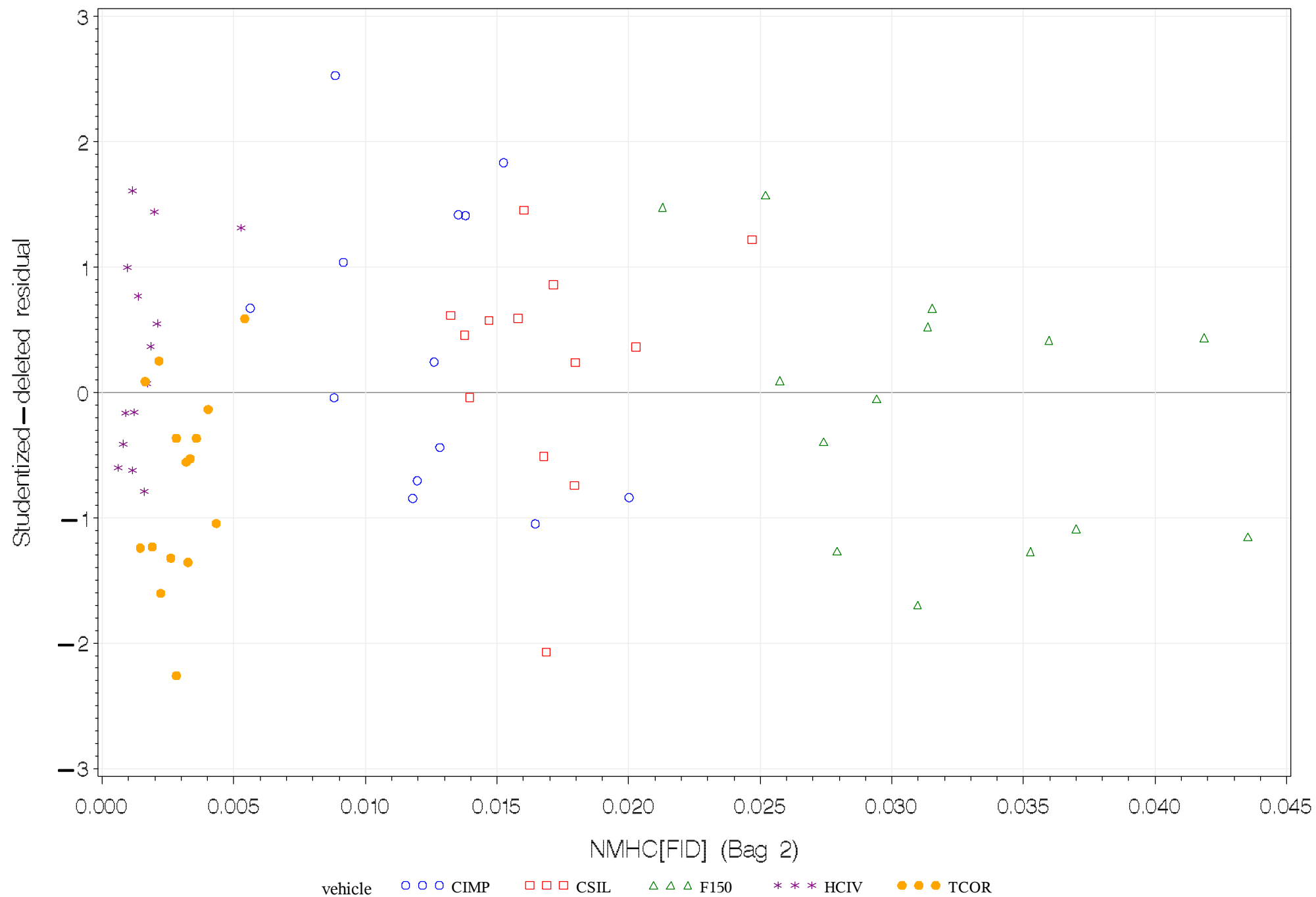
Imputing Bag 2 NMOG from FID NMHC
Model 1.a: Intercepts for Ethanol Level
OUTLIER REMOVED



Imputing Bag 2 NMOG from FID NMHC

Model 1.a: Intercepts for Ethanol Level

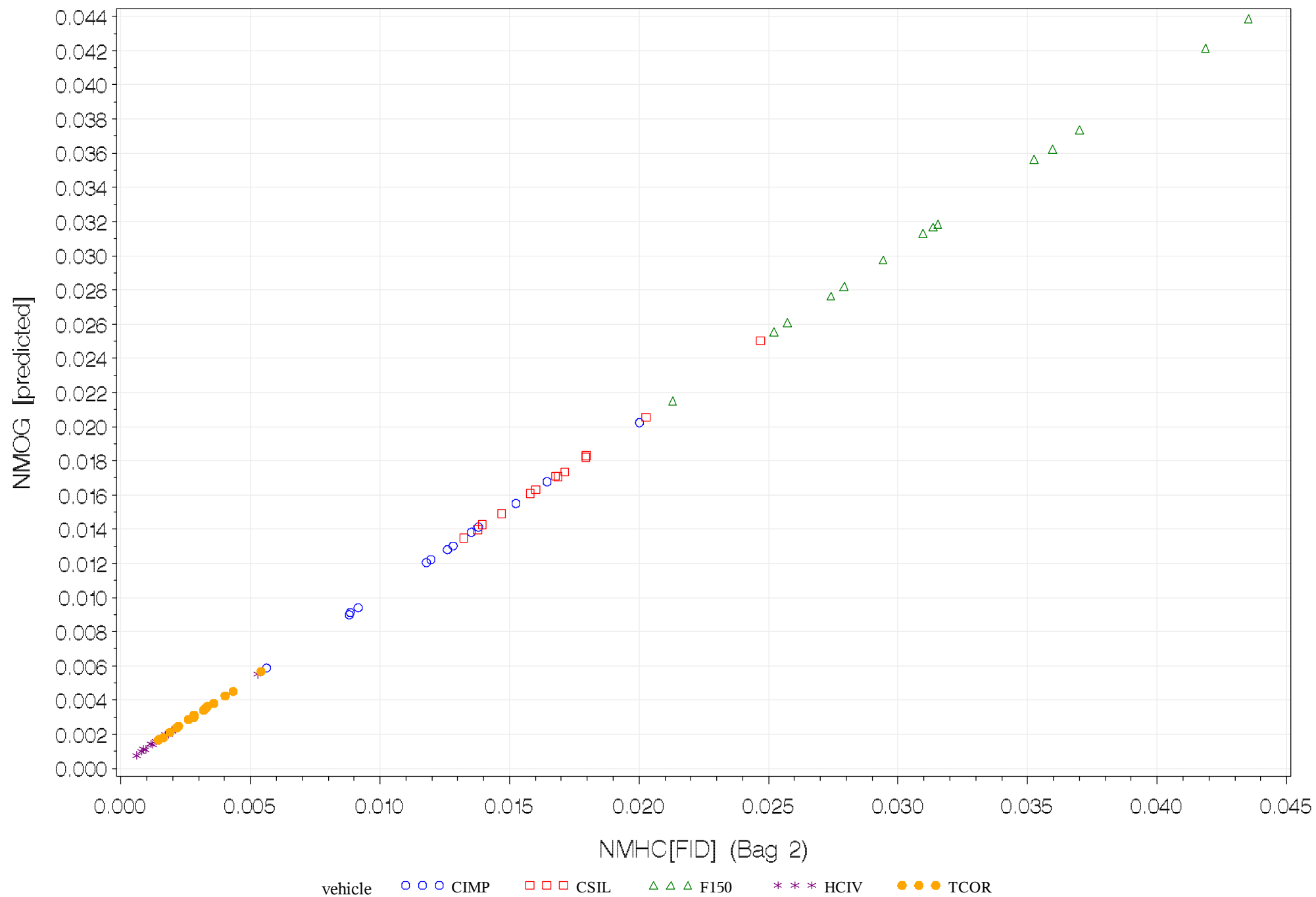
OUTLIER REMOVED



Imputing Bag 2 NMOG from FID NMHC

Model 1.a: Intercepts for Ethanol Level

OUTLIER REMOVED



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Engine	V9
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Filename	C:\DOCUME~1\jwarila\LOCALS~1\Temp\SAS Temporary Files_TD5884

#	Name	Member Type	File Size	Last Modified
1	GSEG	CATALOG	795648	08Feb11:18:28:47
2	PDF	CATALOG	910336	08Feb11:18:28:47
3	RATIOS	DATA	17408	08Feb11:17:57:35
4	RATIOS2	DATA	33792	08Feb11:18:28:23
5	RATIOS2A	DATA	17408	08Feb11:18:28:46
6	RATIOS3	DATA	33792	08Feb11:18:28:47
7	SASGOPT	CATALOG	5120	08Feb11:17:57:54

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Number of Observations Read	71
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The GLM Procedure

Dependent Variable: NMOG_B2 NMOG (Bag 2)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	0.00939153	0.00134165	58640.2	<.0001
Error	63	0.00000144	0.00000002		
Corrected Total	70	0.00939297			

R-Square	Coeff Var	Root MSE	NMOG_B2 Mean
0.999847	1.137819	0.000151	0.013294

Source	DF	Type I SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2	1	0.00939135	0.00939135	410474	<.0001
e10	1	0.00000000	0.00000000	0.17	0.6853
e15	1	0.00000005	0.00000005	2.01	0.1611
e20	1	0.00000013	0.00000013	5.49	0.0223
NM_FIDHC_B2*e10	1	0.00000001	0.00000001	0.24	0.6268
NM_FIDHC_B2*e15	1	0.00000000	0.00000000	0.01	0.9394
NM_FIDHC_B2*e20	1	0.00000000	0.00000000	0.00	0.9615

Source	DF	Type III SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2	1	0.00262623	0.00262623	114786	<.0001
e10	1	0.00000006	0.00000006	2.47	0.1211
e15	1	0.00000004	0.00000004	1.91	0.1720
e20	1	0.00000006	0.00000006	2.61	0.1110

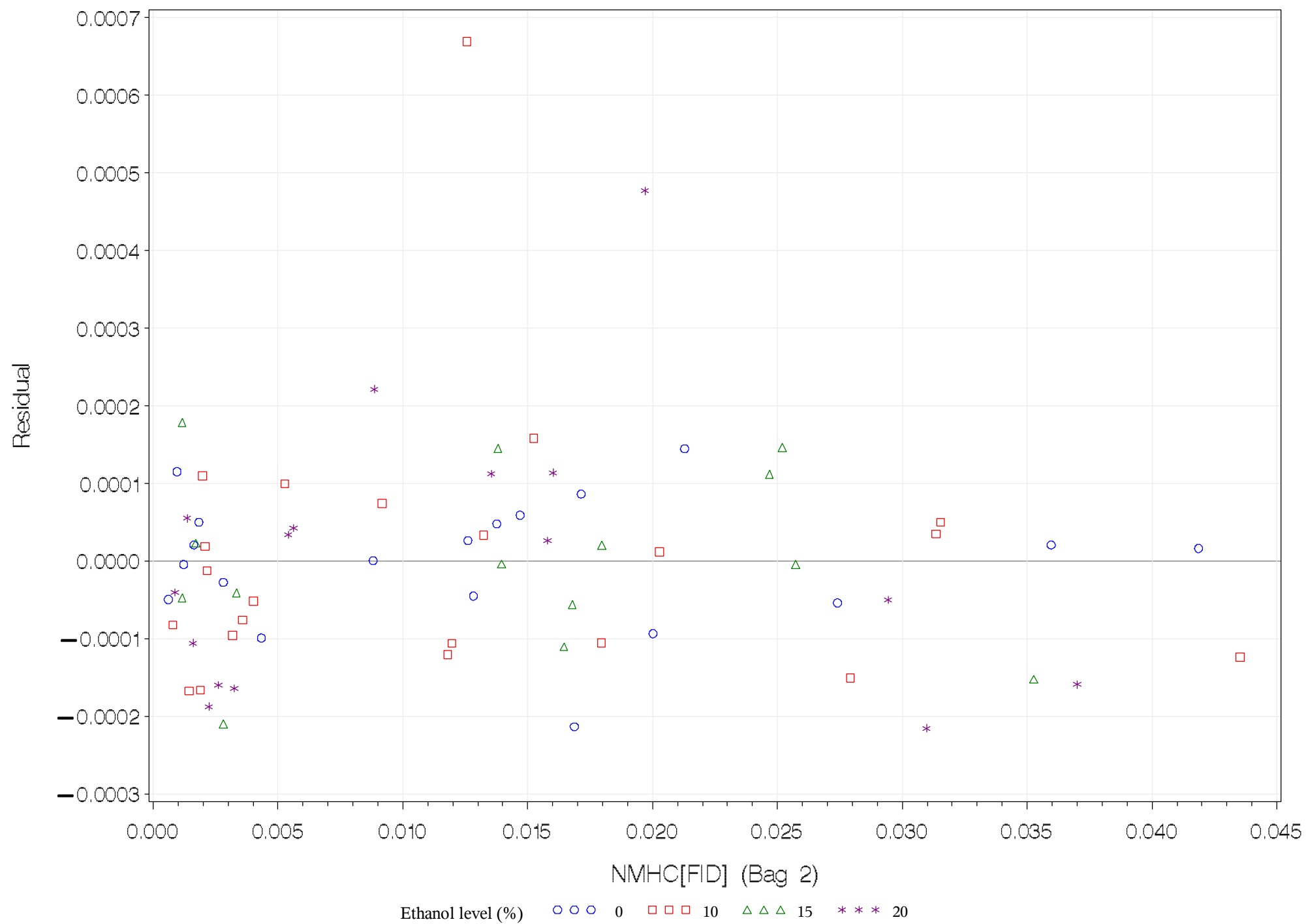
The GLM Procedure

Dependent Variable: NMOG_B2 NMOG (Bag 2)

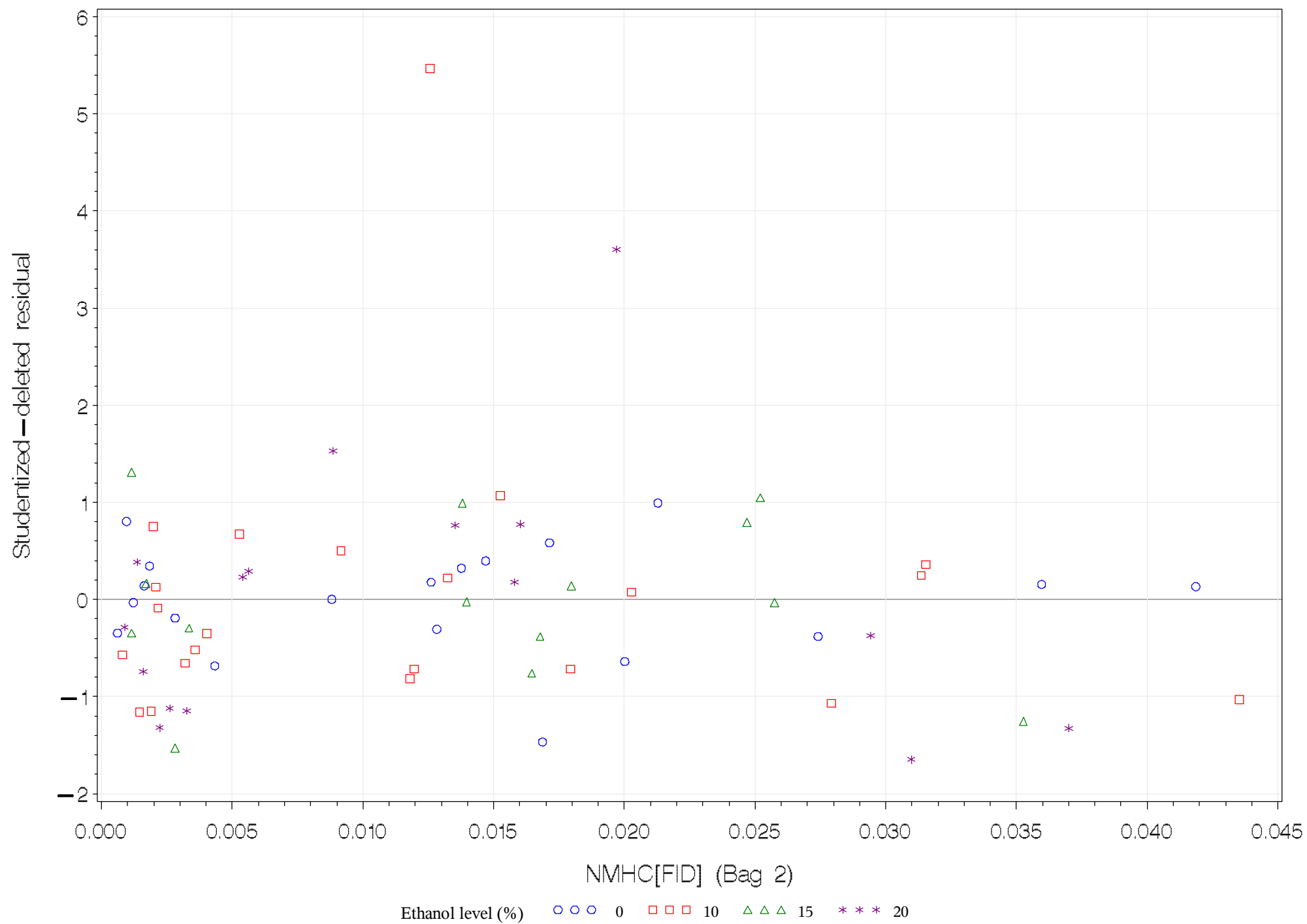
Source	DF	Type III SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2*e10	1	0.00000000	0.00000000	0.17	0.6849
NM_FIDHC_B2*e15	1	0.00000000	0.00000000	0.00	0.9604
NM_FIDHC_B2*e20	1	0.00000000	0.00000000	0.00	0.9615

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	0.000143811	0.00005299	2.71	0.0086
NM_FIDHC_B2	1.004121464	0.00296375	338.80	<.0001
e10	0.000111303	0.00007083	1.57	0.1211
e15	0.000118868	0.00008605	1.38	0.1720
e20	0.000123760	0.00007656	1.62	0.1110
NM_FIDHC_B2*e10	-0.001649167	0.00404595	-0.41	0.6849
NM_FIDHC_B2*e15	0.000240578	0.00482552	0.05	0.9604
NM_FIDHC_B2*e20	-0.000215564	0.00444794	-0.05	0.9615

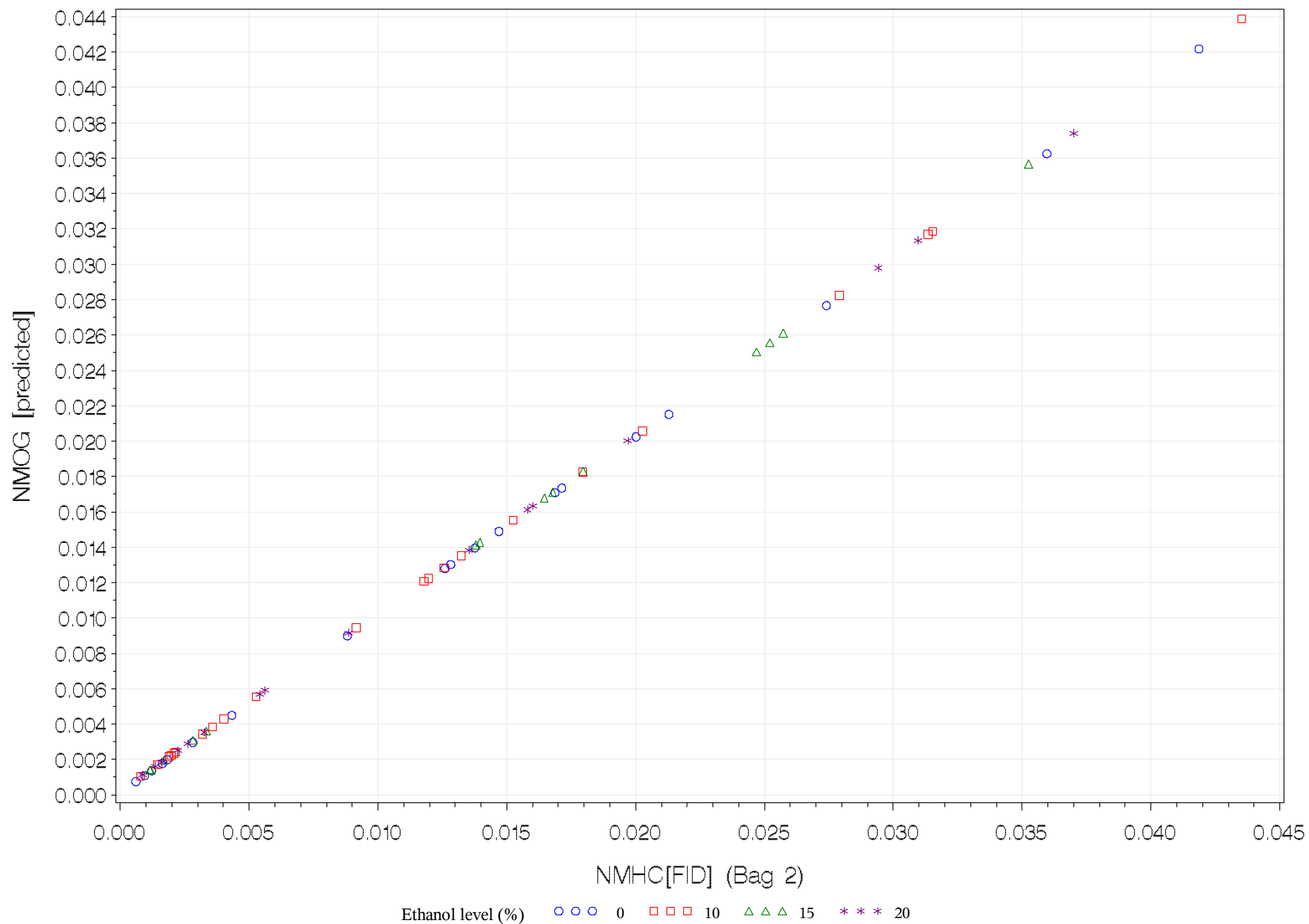
Imputing Bag 2 NMOG from FID NMHC
Model 2: Intercepts and Slopes by Ethanol Level



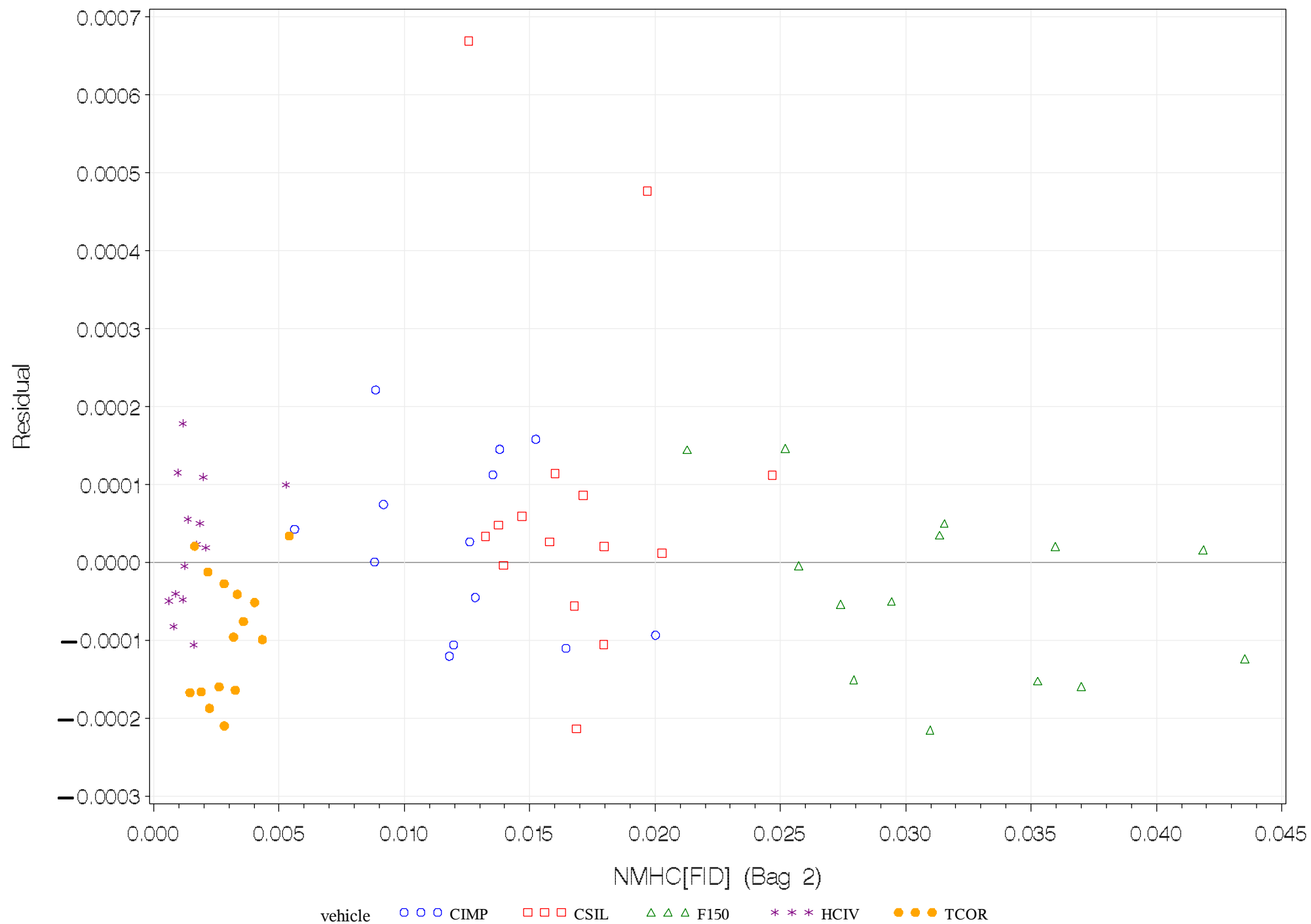
Imputing Bag 2 NMOG from FID NMHC
Model 2: Intercepts and Slopes by Ethanol Level



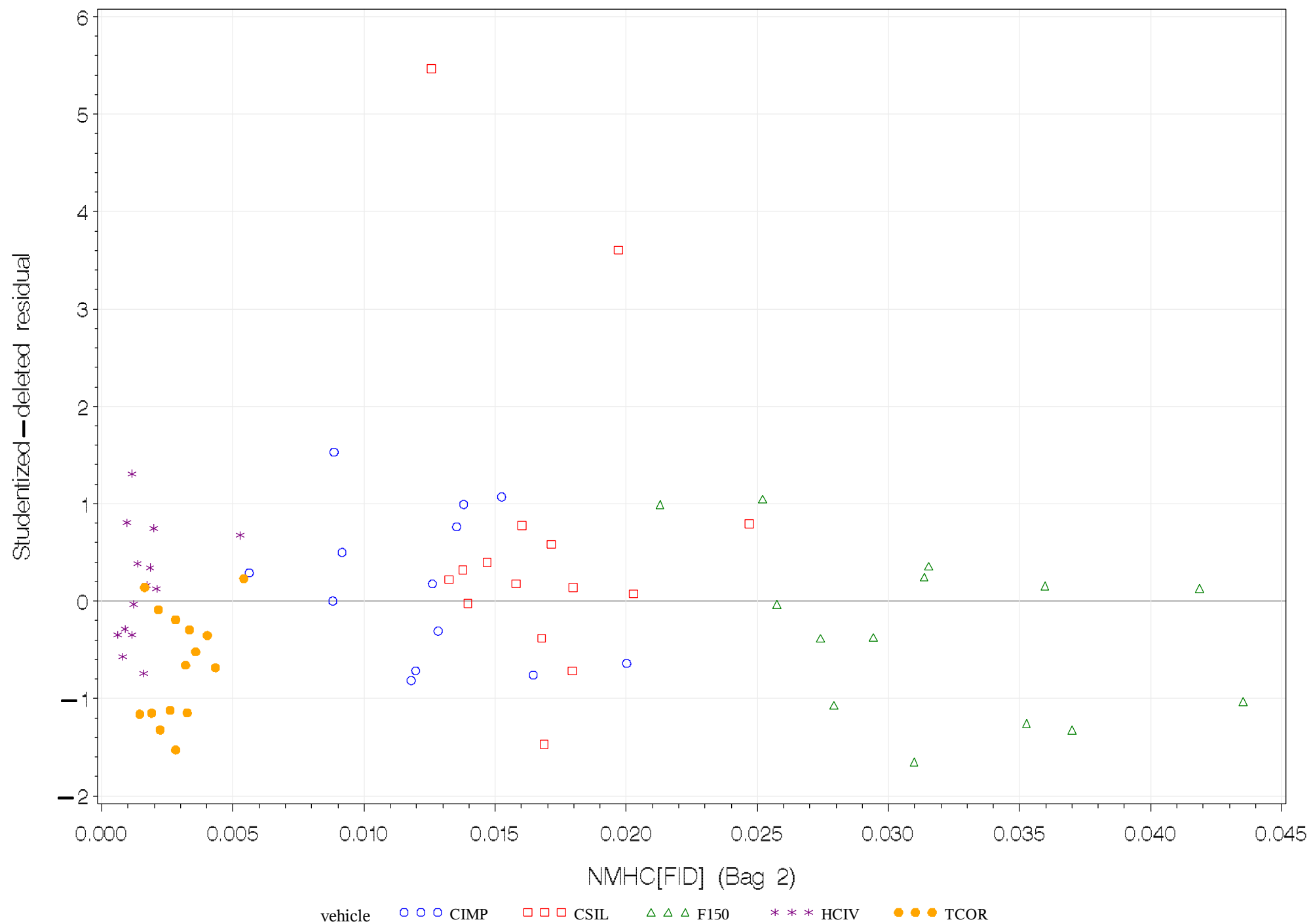
Imputing Bag 2 NMOG from FID NMHC
Model 2: Intercepts and Slopes by Ethanol Level



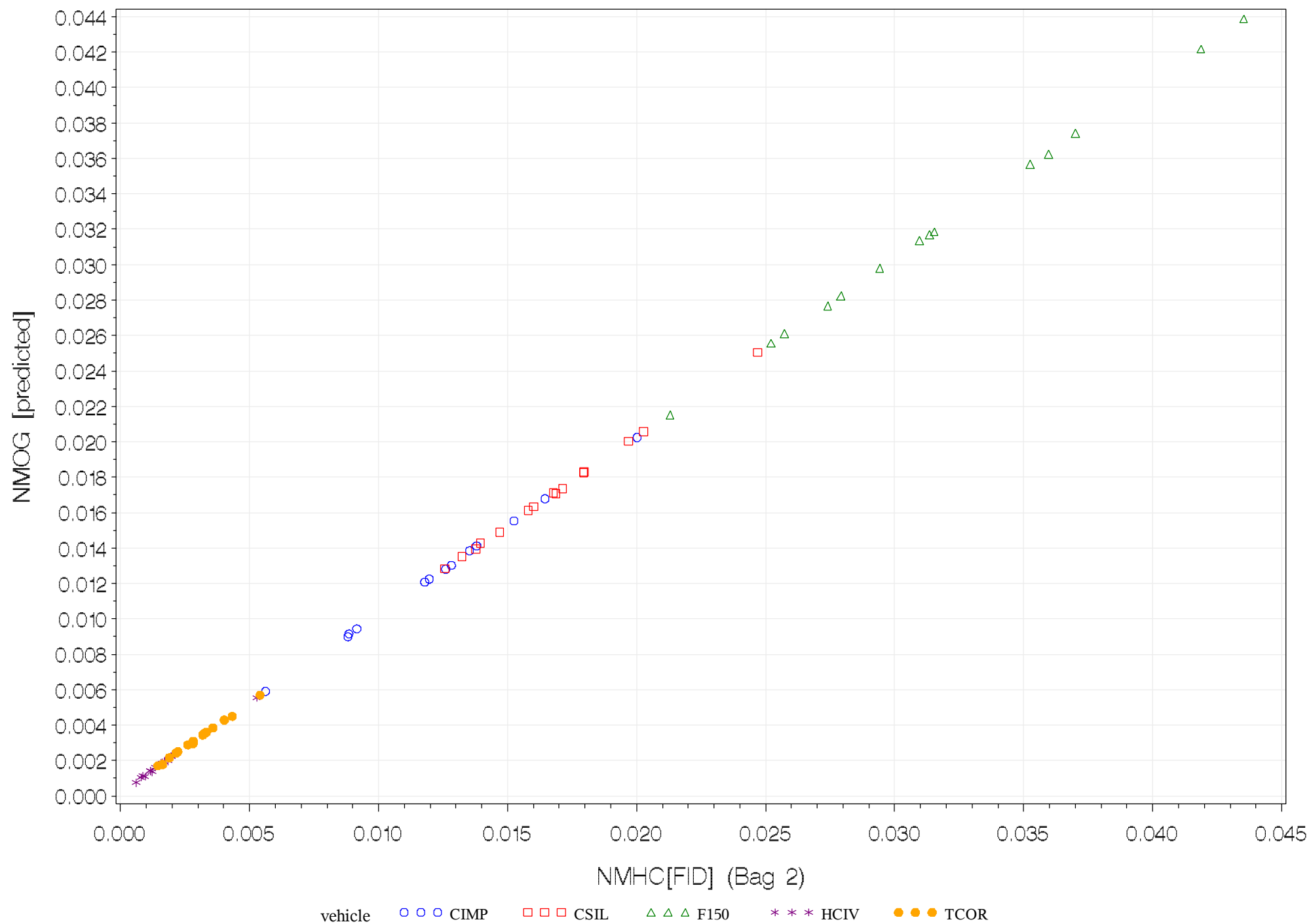
Imputing Bag 2 NMOG from FID NMHC
Model 2: Intercepts and Slopes by Ethanol Level



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The GLM Procedure

Number of Observations Read	69
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The GLM Procedure

Dependent Variable: NMOG_B2 NMOG (Bag 2)

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	0.00933917	0.00133417	112596	<.0001
Error	61	0.00000072	0.00000001		
Corrected Total	68	0.00933989			

R-Square	Coeff Var	Root MSE	NMOG_B2 Mean
0.999923	0.825542	0.000109	0.013186

Source	DF	Type I SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2	1	0.00933902	0.00933902	788159	<.0001
e10	1	0.00000000	0.00000000	0.04	0.8509
e15	1	0.00000007	0.00000007	5.98	0.0174
e20	1	0.00000006	0.00000006	5.42	0.0233
NM_FIDHC_B2*e10	1	0.00000000	0.00000000	0.19	0.6635
NM_FIDHC_B2*e15	1	0.00000000	0.00000000	0.13	0.7147
NM_FIDHC_B2*e20	1	0.00000001	0.00000001	0.43	0.5141

Source	DF	Type III SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2	1	0.00262623	0.00262623	221638	<.0001
e10	1	0.00000003	0.00000003	2.43	0.1240
e15	1	0.00000004	0.00000004	3.68	0.0596
e20	1	0.00000005	0.00000005	4.29	0.0427

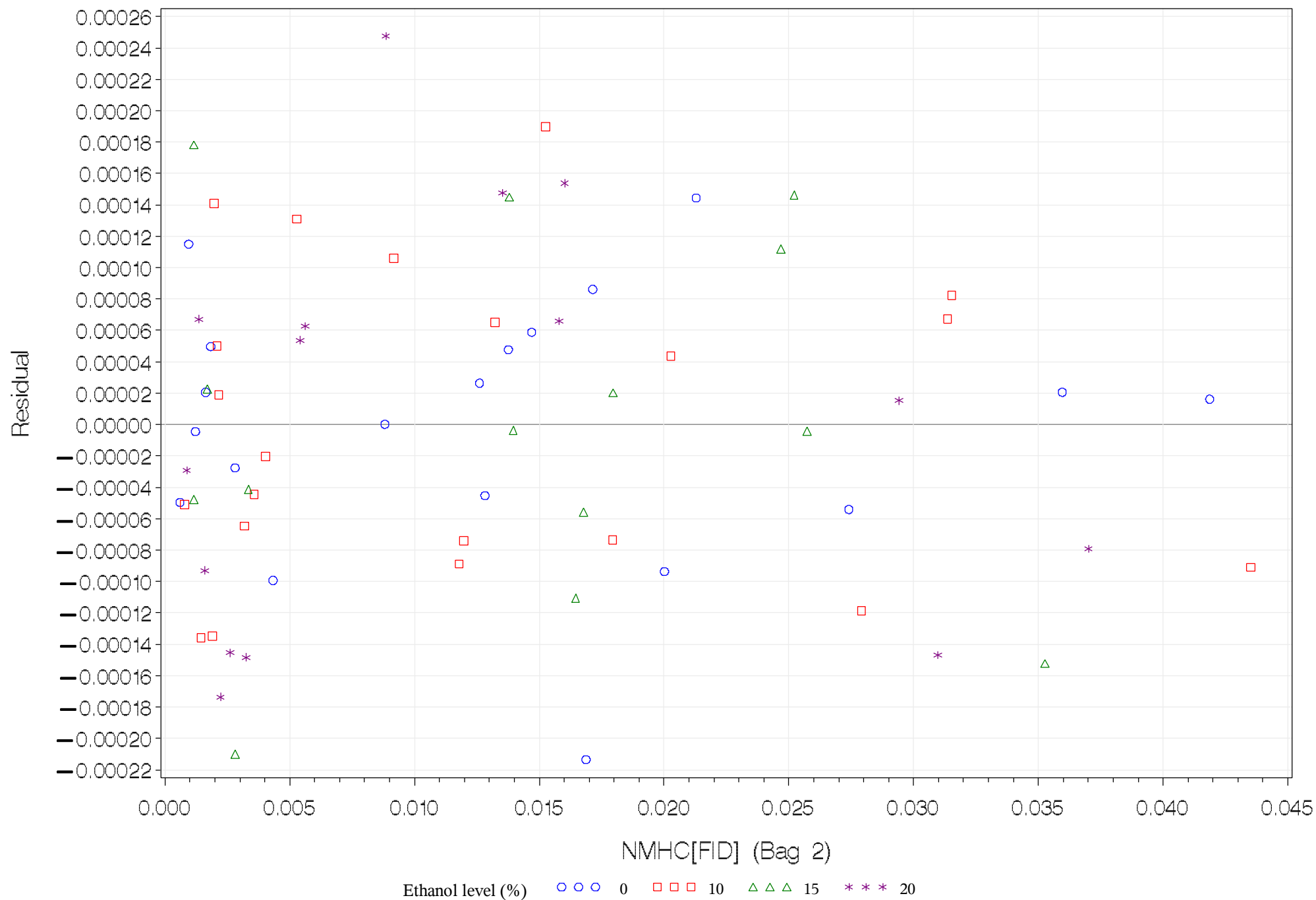
The GLM Procedure

Dependent Variable: NMOG_B2 NMOG (Bag 2)

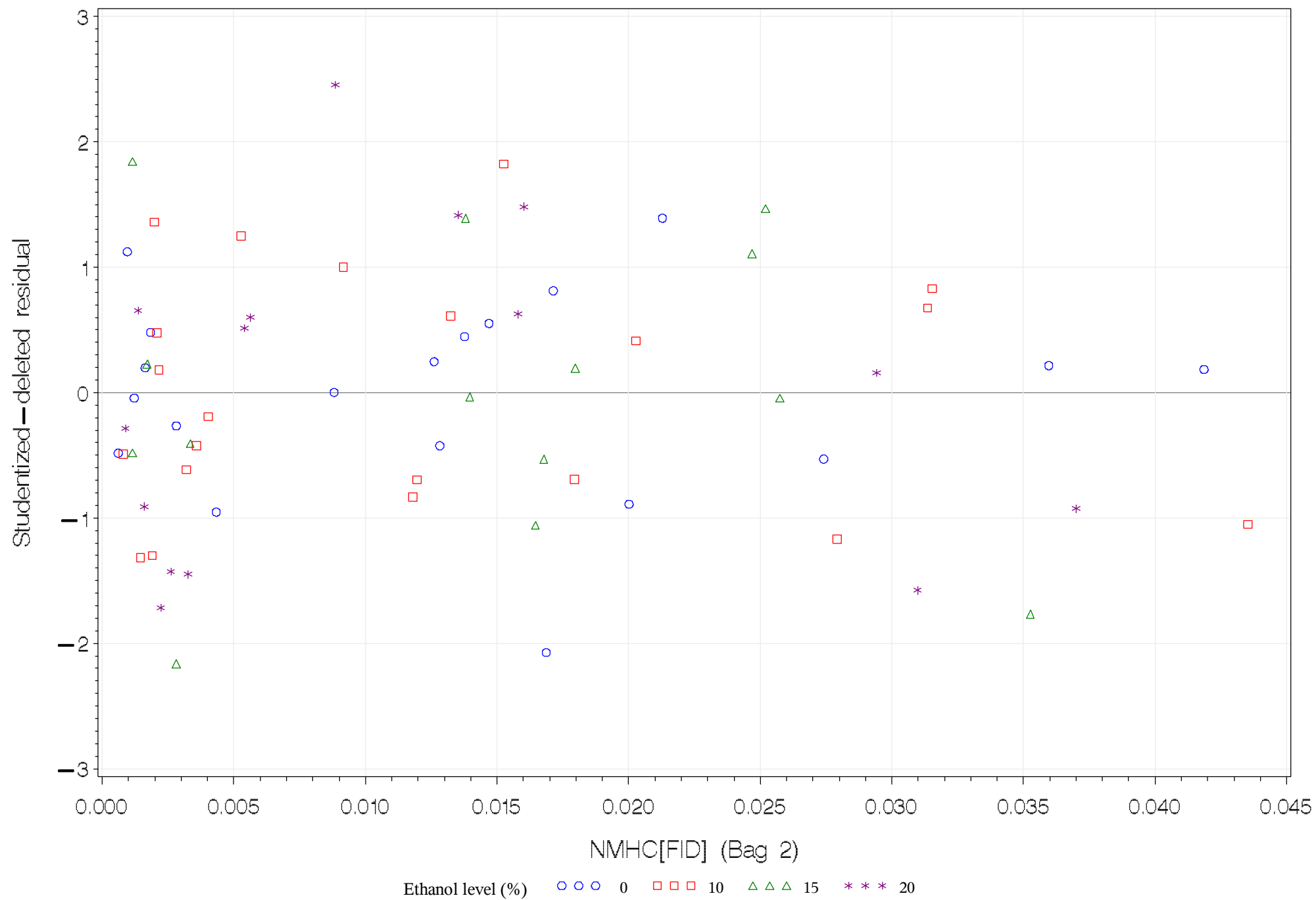
Source	DF	Type III SS	Mean Square	F Value	Pr > F
NM_FIDHC_B2*e10	1	0.00000000	0.00000000	0.33	0.5649
NM_FIDHC_B2*e15	1	0.00000000	0.00000000	0.00	0.9450
NM_FIDHC_B2*e20	1	0.00000001	0.00000001	0.43	0.5141

Parameter	Estimate	Standard Error	t Value	Pr > t
Intercept	0.000143811	0.00003814	3.77	0.0004
NM_FIDHC_B2	1.004121464	0.00213287	470.78	<.0001
e10	0.000079890	0.00005122	1.56	0.1240
e15	0.000118868	0.00006192	1.92	0.0596
e20	0.000114129	0.00005513	2.07	0.0427
NM_FIDHC_B2*e10	-0.001685020	0.00291168	-0.58	0.5649
NM_FIDHC_B2*e15	0.000240578	0.00347270	0.07	0.9450
NM_FIDHC_B2*e20	-0.002118090	0.00322769	-0.66	0.5141

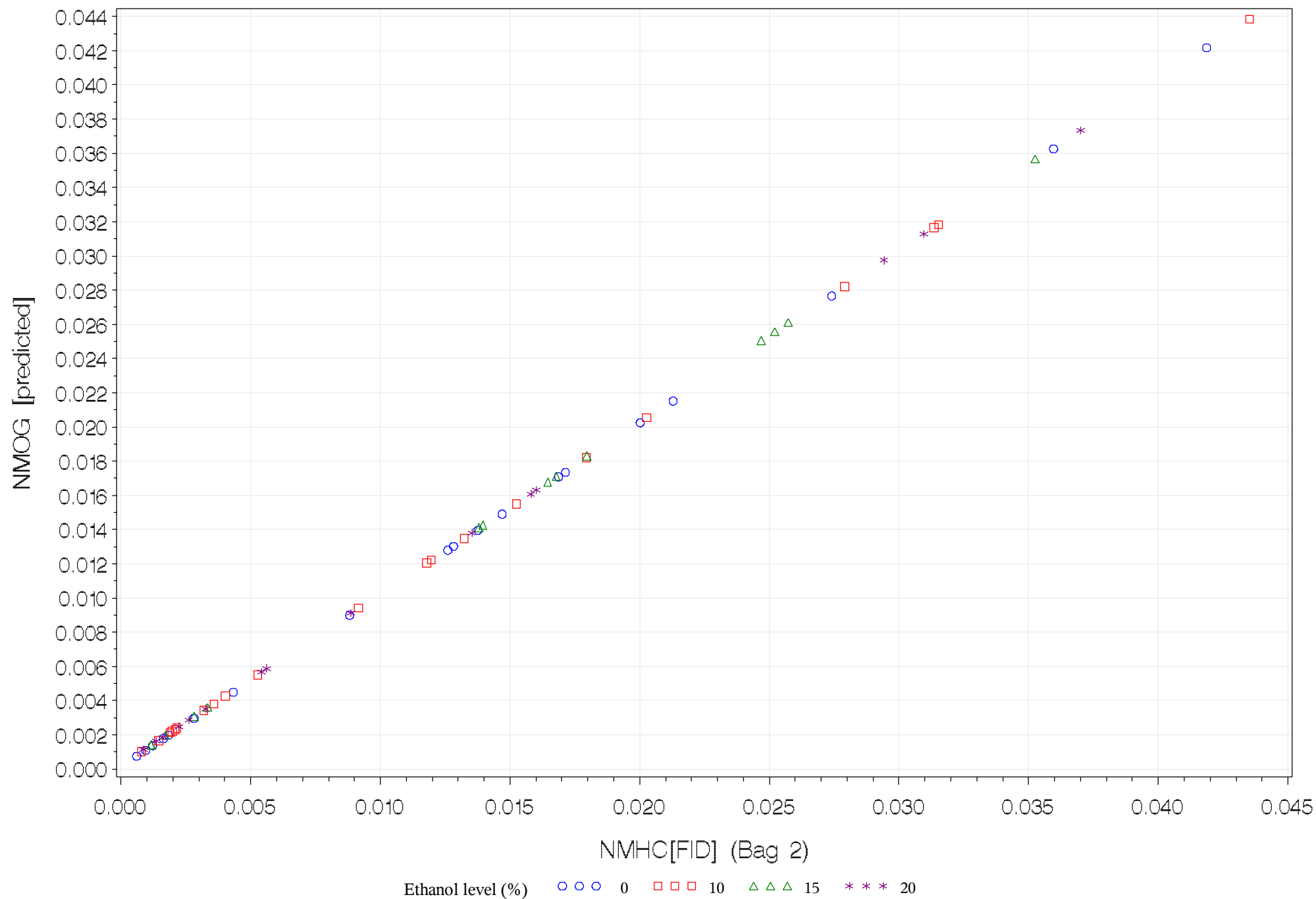
Imputing Bag 2 NMOG from FID NMHC
Model 2: Intercepts and Slopes by Ethanol Level
OUTLIER REMOVED



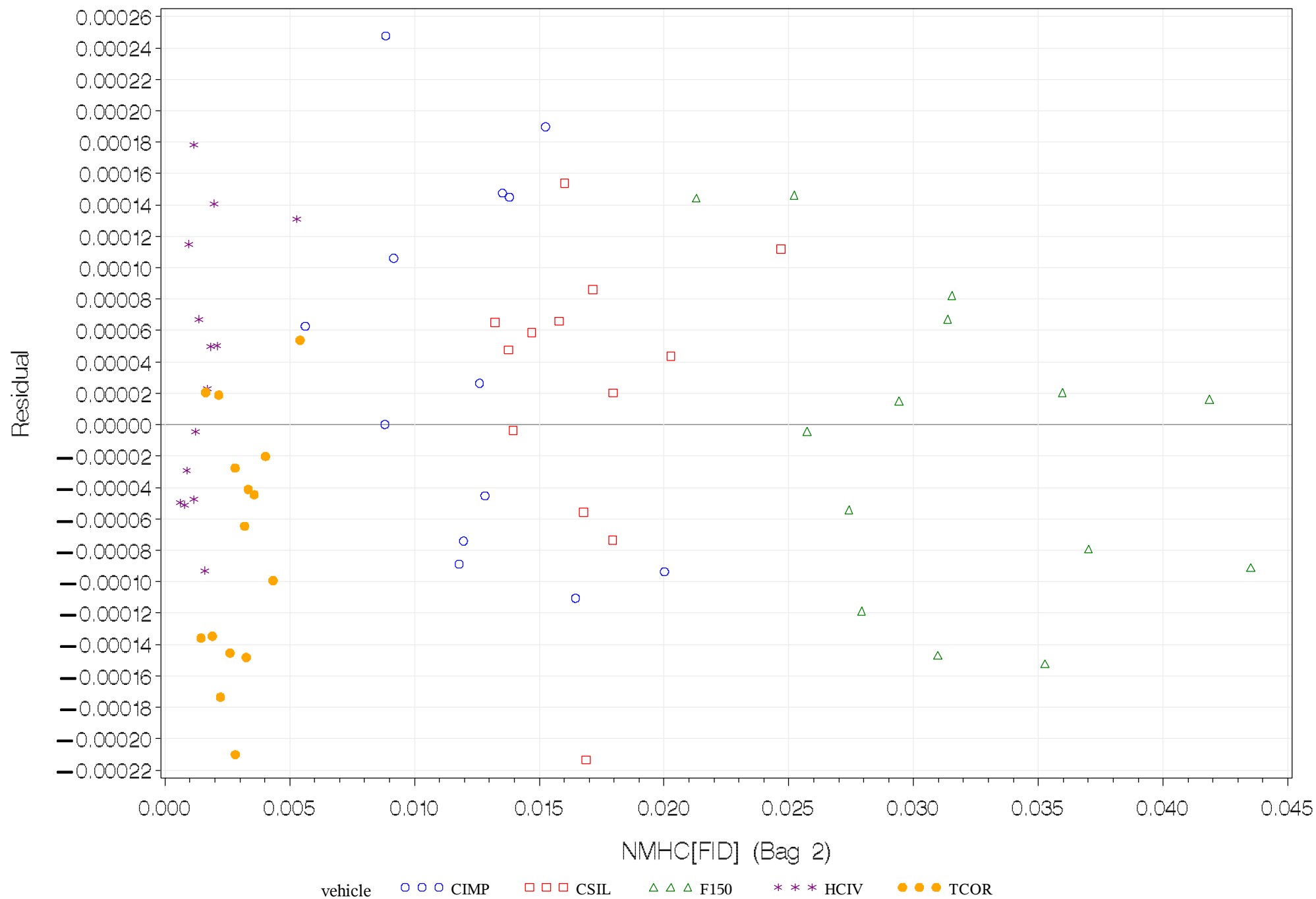
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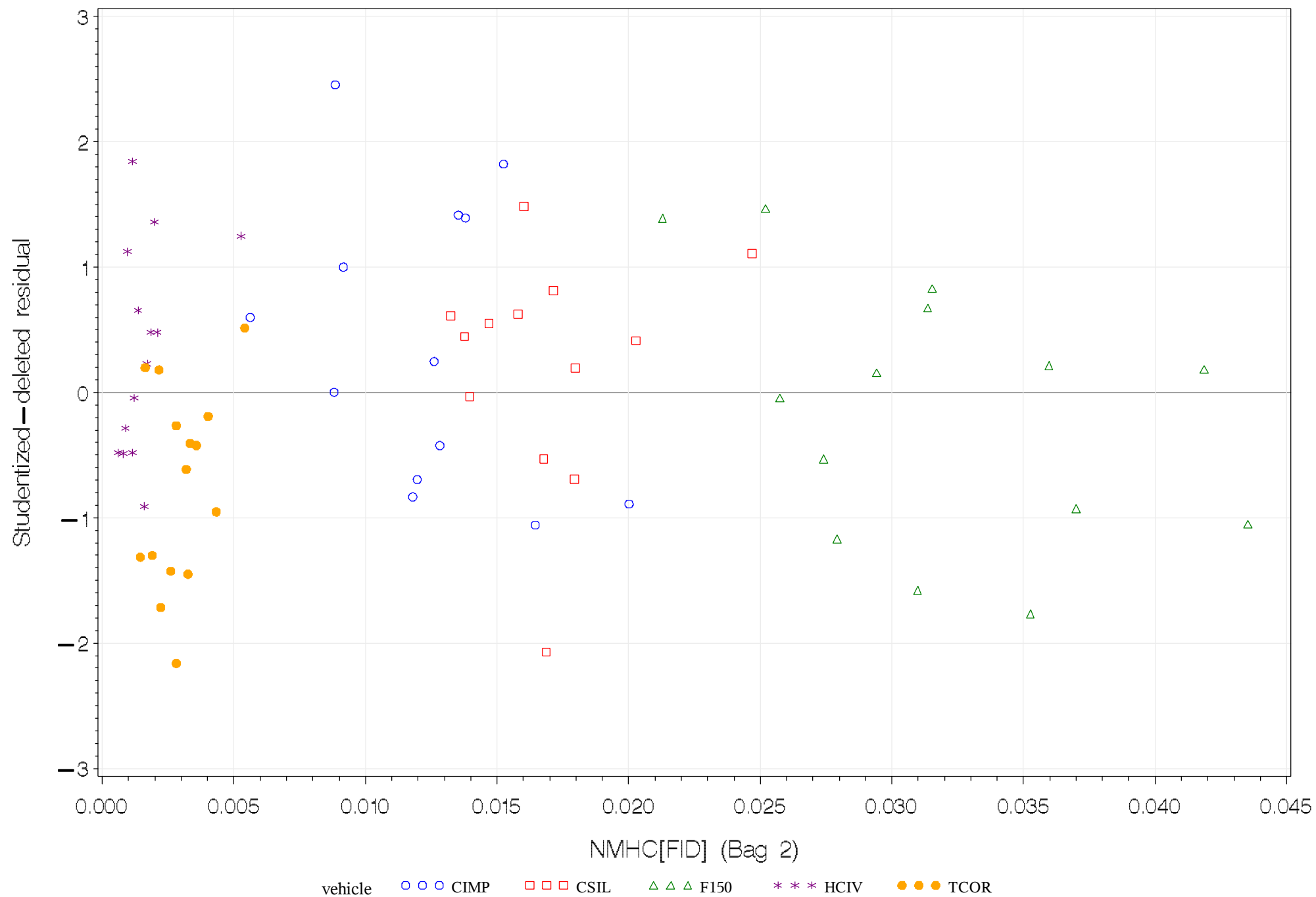
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