Summary - Int 7, Group C, 𝚫𝚫G Version

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# *Intermediate 7*

### Model 3P

| formula | R.sq | Q.sq | MAE |
| --- | --- | --- | --- |
| ddg ~ NPA\_33 + Total\_1 + B5\_3\_9 | 0.694 | 0.609 | 0.210 |
| ddg ~ Total\_1 + X.31.32. + B5\_3\_9 | 0.689 | 0.607 | 0.222 |

***Multicollinearity check***

|  | x |
| --- | --- |
| NPA\_33 | 1.146 |
| Total\_1 | 1.038 |
| B5\_3\_9 | 1.107 |

***Scaled Coefficients:***

|  | Estimate | Std. Error | t value | Pr(>|t|) |
| --- | --- | --- | --- | --- |
| (Intercept) | 0.146 | 0.067 | 2.172 | 0.0443045 |
| NPA\_33 | 0.114 | 0.074 | 1.544 | 0.1409345 |
| Total\_1 | -0.217 | 0.070 | -3.082 | 0.0067581 |
| B5\_3\_9 | -0.378 | 0.073 | -5.211 | 0.0000707 |

### Model 4P

| formula | R.sq | Q.sq | MAE |
| --- | --- | --- | --- |
| ddg ~ Total\_1 + X.31.32. + Iso.Polar + L\_9\_3 | 0.777 | 0.667 | 0.243 |
| ddg ~ Total\_1 + Dist.32..33. + Iso.Polar + L\_9\_3 | 0.777 | 0.665 | 0.245 |

***Multicollinearity check***

|  | x |
| --- | --- |
| Total\_1 | 1.695 |
| X.31.32. | 1.313 |
| Iso.Polar | 1.225 |
| L\_9\_3 | 1.847 |

***Scaled Coefficients:***

|  | Estimate | Std. Error | t value | Pr(>|t|) |
| --- | --- | --- | --- | --- |
| (Intercept) | 0.146 | 0.059 | 2.470 | 0.0251449 |
| Total\_1 | -0.489 | 0.079 | -6.181 | 0.0000132 |
| X.31.32. | -0.196 | 0.070 | -2.817 | 0.0123954 |
| Iso.Polar | -0.376 | 0.067 | -5.595 | 0.0000403 |
| L\_9\_3 | 0.176 | 0.082 | 2.132 | 0.0488418 |