Summary - Int 6, Group C, 𝚫𝚫G Version

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# *Intermediate 6*

### Model 3P

| formula | R.sq | Q.sq | MAE |
| --- | --- | --- | --- |
| ddg ~ NPA\_30 + B5\_3\_9 + loc.B5\_3\_9 | 0.642 | 0.498 | 0.268 |
| ddg ~ NPA\_30 + B5\_3\_9 | 0.608 | 0.496 | 0.260 |

***Multicollinearity check***

|  | x |
| --- | --- |
| NPA\_30 | 1.029 |
| B5\_3\_9 | 1.189 |
| loc.B5\_3\_9 | 1.164 |

***Scaled Coefficients:***

|  | Estimate | Std. Error | t value | Pr(>|t|) |
| --- | --- | --- | --- | --- |
| (Intercept) | 0.146 | 0.073 | 2.009 | 0.0607310 |
| NPA\_30 | 0.222 | 0.076 | 2.937 | 0.0092188 |
| B5\_3\_9 | -0.411 | 0.081 | -5.052 | 0.0000983 |
| loc.B5\_3\_9 | 0.103 | 0.081 | 1.279 | 0.2180984 |

### Model 4P

| formula | R.sq | Q.sq | MAE |
| --- | --- | --- | --- |
| ddg ~ NPA\_30 + NPA\_32 + B5\_3\_9 + L\_9\_3 | 0.751 | 0.57 | 0.261 |

***Multicollinearity check***

|  | x |
| --- | --- |
| NPA\_30 | 1.147 |
| NPA\_32 | 2.068 |
| B5\_3\_9 | 1.181 |
| L\_9\_3 | 2.031 |

***Scaled Coefficients:***

|  | Estimate | Std. Error | t value | Pr(>|t|) |
| --- | --- | --- | --- | --- |
| (Intercept) | 0.146 | 0.063 | 2.333 | 0.0330245 |
| NPA\_30 | 0.201 | 0.069 | 2.927 | 0.0098734 |
| NPA\_32 | -0.251 | 0.092 | -2.721 | 0.0151027 |
| B5\_3\_9 | -0.354 | 0.070 | -5.072 | 0.0001132 |
| L\_9\_3 | -0.250 | 0.092 | -2.726 | 0.0149520 |