# Annex 1

Summary of Logistic Regression Analysis for Variables Predicting ORD reads (n = 752)

glm(formula = OD\_readbin ~ Quality + RGScore\_grouped + LR\_readsgrouped, data = slod)

Deviance Residuals:

Min 1Q Median 3Q Max

-7.039e-14 -1.560e-14 -1.488e-14 -1.465e-14 -1.310e-14

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coefficients | Estimate | Std.Error | t-value | Pr(>|t|) |
| (Intercept) | 1.000e+00 | 1.293e-15 | 7.732e+14 | < 2e-16 \*\*\* |
| Quality1 | 3.139e-16 | 1.763e-15 | 1.780e-01 | 0.859 |
| Quality2 | 9.580e-16 | 3.528e-15 | 2.720e-01 | 0.786 |
| Quality3 | 3.683e-14 | 5.347e-15 | 6.888e+00 | **1.28e-11 \*\*\*** |
| Quality4 | 1.095e-15 | 1.761e-14 | 6.200e-02 | 0.950 |
| RGScore\_11-20 | -4.536e-16 | 1.703e-15 | -2.660e-01 | 0.790 |
| RGScore\_21-30 | -2.164e-16 | 1.877e-15 | -1.150e-01 | 0.908 |
| RGScore\_31-N | 2.758e-15 | 1.913e-15 | 1.442e+00 | 0.150 |
| LPReads\_1-50 | 1.053e-16 | 1.837e-15 | 5.700e-02 | 0.954 |
| LPReads\_51-100 | 6.501e-16 | 2.428e-15 | 2.680e-01 | 0.659 |
| LPReads\_101-200 | -1.292e-15 | 2.925e-15 | -4.420e-01 | 0.789 |
| LPReads\_201-N | 1.603e-14 | 3.670e-15 | 4.368e+00 | **1.45e-05 \*\*\*** |
| Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1  (Dispersion parameter for gaussian family taken to be 3.057016e-28)  Null deviance: 0.0000e+00 on 699 degrees of freedom  Residual deviance: 2.1032e-25 on 688 degrees of freedom  (52 observations deleted due to missingness)  AIC: -42348  Number of Fisher Scoring iterations: 1  χ 2 = 1, p > 0 (not significant)  McFadden R2 Index - 2.211247e-03 (no model fit)  Hosmer & Lemeshow R2 Index -inf (negligible value) | | | | |