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| variable index | variable name | Output form |
| 0 | values | string |
| 1 | MixedModel  The type of model the iterative process starts with  Eq1 Y~Genotype+Gender+Genotype\*Gender  Eq2 Y~Genotype+Gender+Genotype\*Gender + Weight | String (Eq1/Eq2) |
| 2 | DepVariable | String |
| 3 | BatchSig  Was batch to batch variation found to be significant? | T/F |
| 4 | Variance significance  Was the variance found to be homogeneous? | T/F |
| 5 | Null\_test\_pvalue  anova(genotype model, null model)  hypothesis test: genotype contribution (as genotype or genotype\*gender) is significant | numeric |
| 6 | genotype\_par  Genotype parameter estimate | numeric |
| 7 | genotype\_SE  genotype standard error estimate | numeric |
| 8 | Genotype\_pvalue  Genotype effect p-value | numeric |
| 9 | gender\_par  gender parameter estimate | numeric |
| 10 | gender\_SE  gender standard error estimate | numeric |
| 11 | Gender\_pvalue  Gender effect p-value | numeric |
| 12 | weight\_ par  weight parameter estimate | numeric |
| 13 | weight\_SE  weight standard error estimate | numeric |
| 14 | weight\_pvalue  weight effect p-value | numeric |
| 15 | Gp1genotype | string |
| 16 | Gp1\_Res\_norm\_test  Gp1 residuals normality test | numeric |
| 17 | Gp2genotype | string |
| 18 | Gp2\_Res\_norm\_test  Gp2 residuals normality test | numeric |
| 19 | Blupstest  Testing the normality of BLUPS (ie batch)  (NA when batch not significant or two few batches) | numeric |
| 20 | Rot\_R\_norm\_test  Rotated residuals normality test  (NA when batch not significant or too few batches) | numeric |
| 21 | intercept\_par  Reference set: WT female when 2 genders or WT when 1 gender | numeric |
| 22 | intercept\_SE | numeric |
| 23 | Interaction\_Included  #NA if one gender | Y/N |
| 24 | Interaction\_pvalue  #NA if one gender | numeric |
| 25 | FvKO\_par  parameter estimate for Female knockout mice | numeric |
| 26 | FvKO\_SE  standard error estimate for the parameter for female knockout mice | numeric |
| 27 | FvKO\_pvalue  p-value for the parameter for female knockout mice | numeric |
| 28 | MvKO\_par  parameter estimate for male knockout mice | numeric |
| 29 | MvKO\_SE  standard error estimate for the parameter for male knockout mice | numeric |
| 30 | MvKO\_pvalue  p-value for the parameter for male knockout mice | numeric |