Table 1: CXCL9 Single-Gene Model Performance Validation

| Analysis | Metric*1* | Value | p-value | 95% CI | n |
| --- | --- | --- | --- | --- | --- |
| Laboratory full model | R² | 0.128 | 1.873034e-05 | — | 136 |
| Laboratory train-test validation | Pearson r | 0.492 | 1.081093e-03 | [0.217, 0.695] | 41 |
| Laboratory train-test validation | RMSE | 6.363 | — | — | 41 |
| Laboratory train-test validation | MAE | 5.291 | — | — | 41 |
| Field cross-population correlation | Pearson r | 0.172 | 1.536603e-03 | [0.066, 0.274] | 336 |
| *1*RMSE = Root Mean Squared Error; MAE = Mean Absolute Error | | | | | |