



MEMBER THE TEXAS STATE UNIVERSITY SYSTEM

Comparative Tolerance of Short Tandem Repeat and Massively Parallel Sequencing Chemistries to Inhibited Samples

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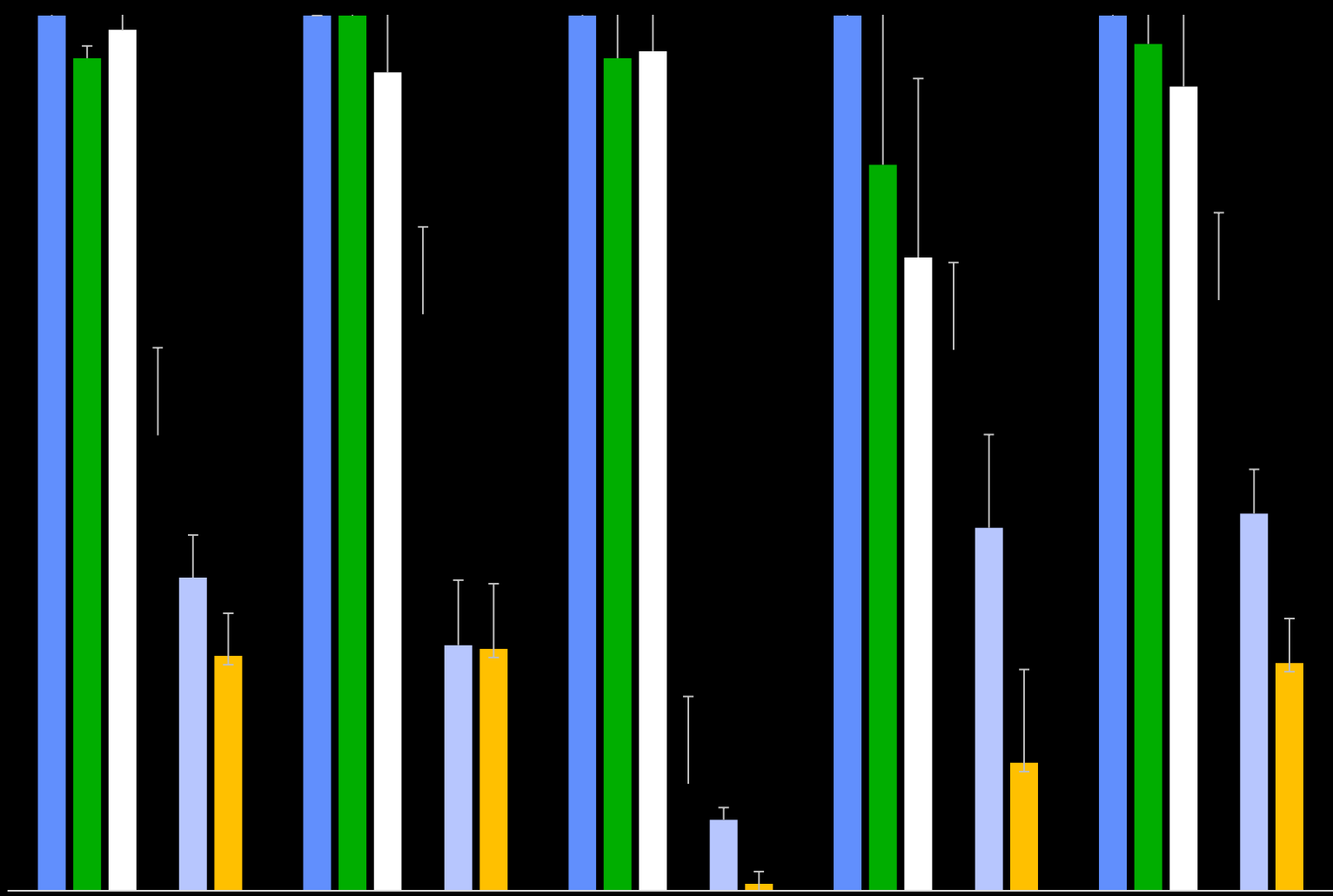
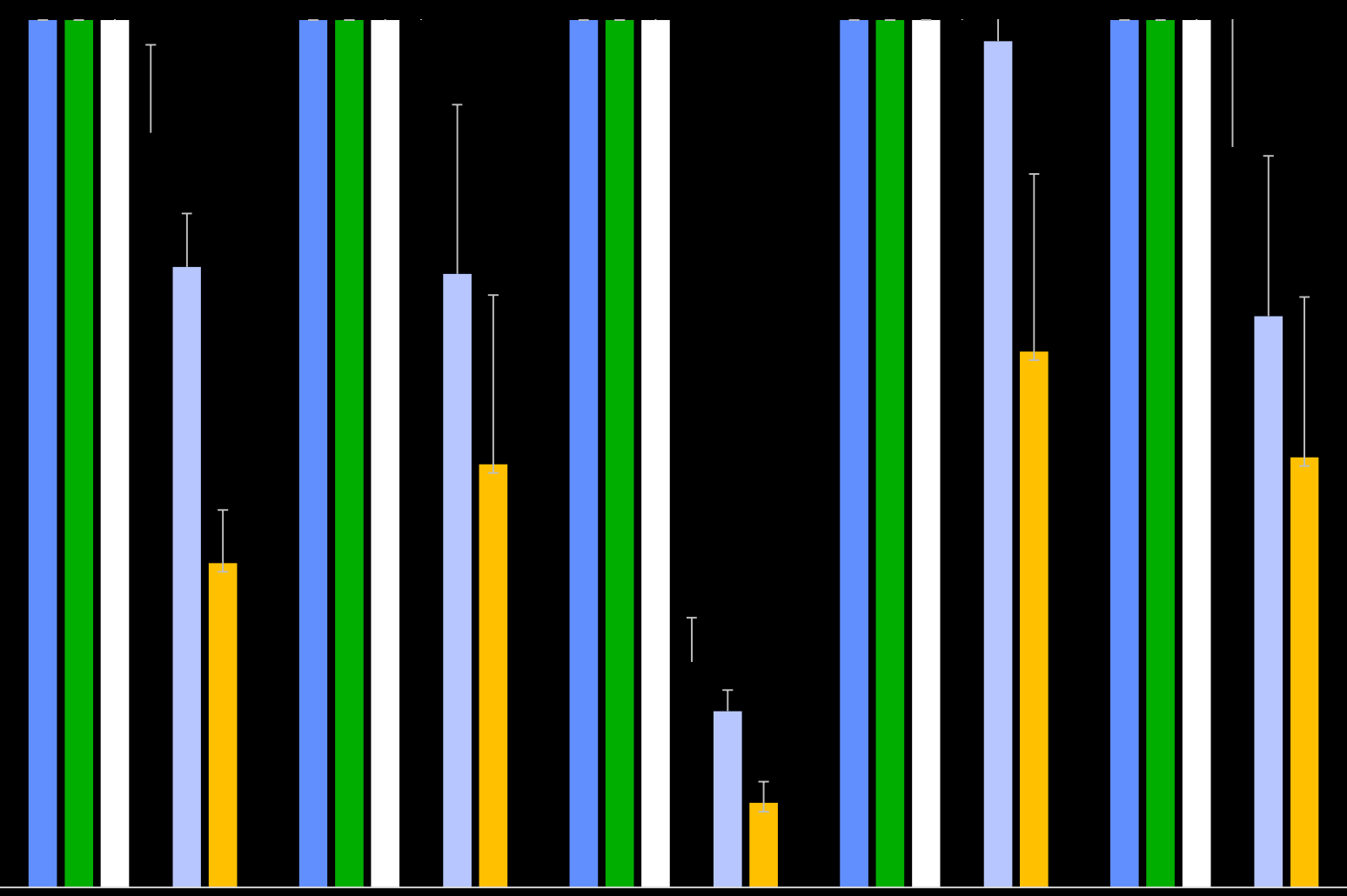
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INTRODUCTION

RESULTS AND DISCUSSION

MATERIALS AND METHODS

| Inhibitor | Units | Inhibitor Concentrations | | | | | |
|------------|-------------|--------------------------|-----|-----|-------|------|------|
| | | 0 | 1 | 2 | 3 | 4 | 5 |
| Humic Acid | ng/ μ L | 0 | 50 | 100 | 200 | 225 | 250 |
| Melanin | ng/ μ L | 0 | 25 | 35 | 40 | 45 | 50 |
| Hematin | μ M | 0 | 300 | 500 | 1000 | 1050 | 1100 |
| Collagen | ng/ μ L | 0 | 50 | 100 | 112.5 | 130 | 160 |
| Calcium | μ M | 0 | 250 | 350 | 500 | 650 | 850 |



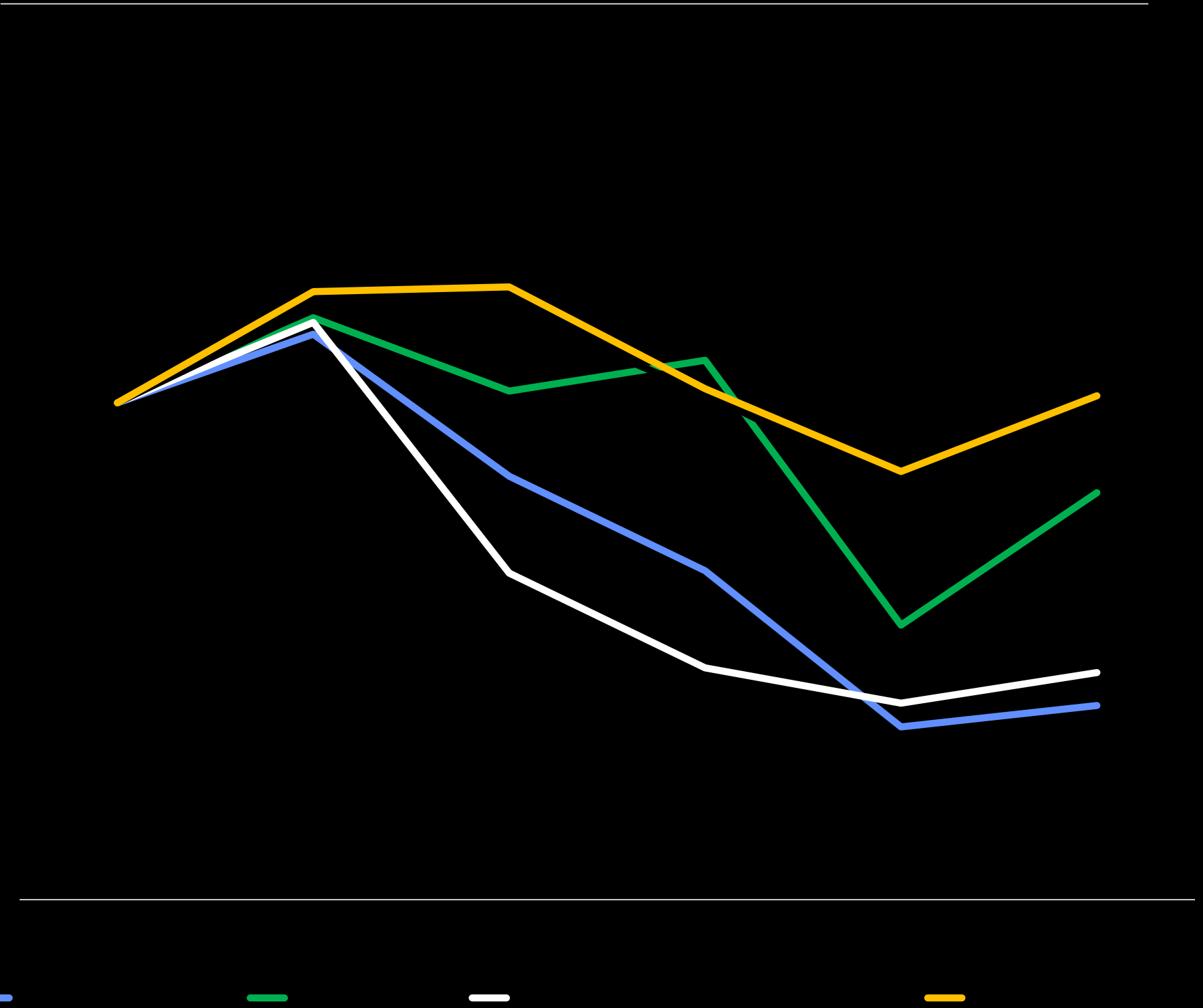
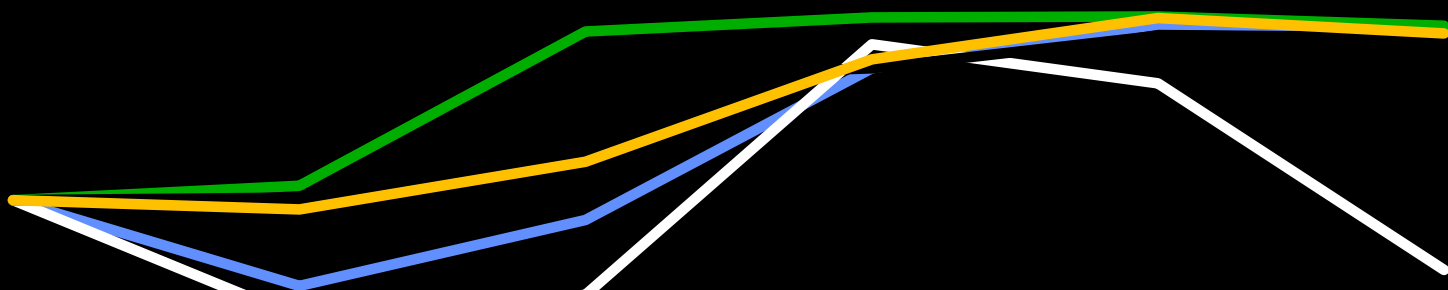
| | | | | |
|--------|--------|--------|--------|--------|
| 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| 94.0% | 59.3% | 33.0% | 10.7% | 14.3% |

| | | | | |
|--------|--------|--------|--------|--------|
| 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| 96.3% | 81.7% | 91.0% | 31.3% | 65.0% |

| | | | | |
|--------|--------|--------|--------|--------|
| 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| 99.0% | 39.7% | 7.7% | 7.7% | 20.3% |

| | | | | |
|--------|--------|--------|--------|--------|
| 100.0% | 100.0% | 100.0% | 97.8% | 48.8% |
| 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

| | | | | |
|--------|--------|--------|-------|-------|
| 100.0% | 100.0% | 87.2% | 47.4% | 36.6% |
| 100.0% | 100.0% | 100.0% | 83.0% | 63.7% |



MATERIALS AND METHODS

CONCLUSIONS

REFERENCES

ACKNOWLEDGEMENTS