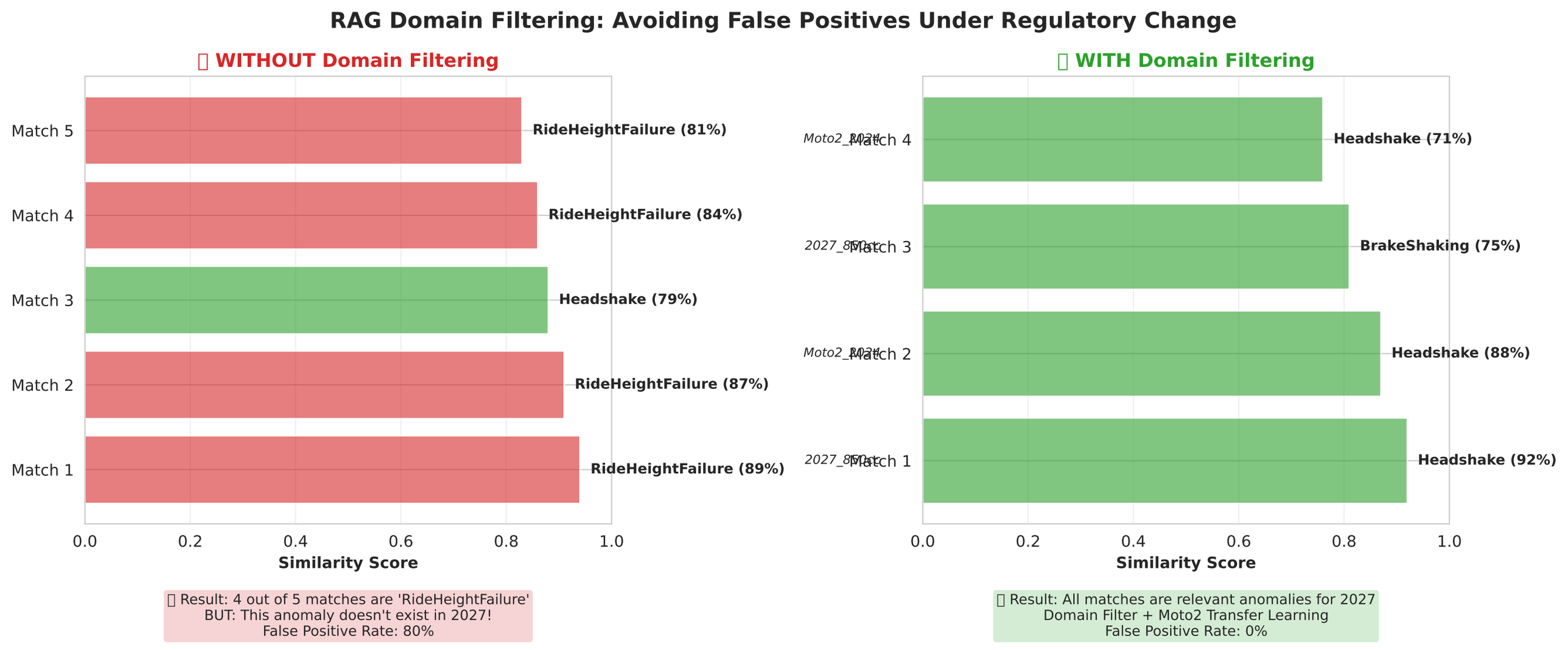
RAG Domain Filtering: Avoiding False Positives Under Regulatory Change
❌ WITHOUT Domain Filtering
Match 5
RideHeightFailure (81%)
Match 4
RideHeightFailure (84%)
Match 3
Headshake (79%)
Match 2
RideHeightFailure (87%)
Match 1
RideHeightFailure (89%)
0.0
0.2
0.4
0.6
0.8
1.0
Similarity Score
❌ Result: 4 out of 5 matches are 'RideHeightFailure'
BUT: This anomaly doesn't exist in 2027!
False Positive Rate: 80%
✅ WITH Domain Filtering
Match 4
Moto2_2024
Headshake (71%)
Match 3
2027_850cc
BrakeShaking (75%)
Match 2
Moto2_2024
Headshake (88%)
Match 1
2027_850cc
Headshake (92%)
0.0
0.2
0.4
0.6
0.8
1.0
Similarity Score
✅ Result: All matches are relevant anomalies for 2027
Domain Filter + Moto2 Transfer Learning
False Positive Rate: 0%