

# QUANTIFIED FORENSIC ANALYSIS

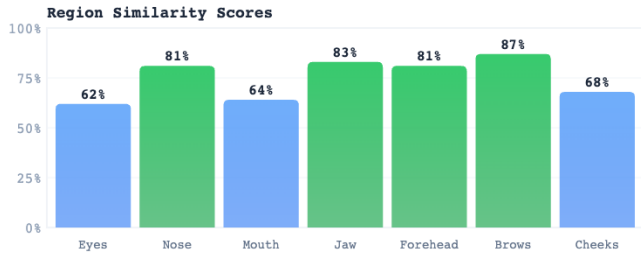
CONFIDENCE METRIC

ID: CC-20260313-AA1C | DATE: MAR 12, 2026 | SYS: CARACOMP V2.4

99.4%

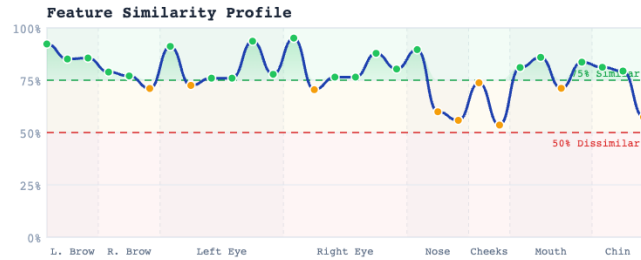
## REGION SIMILARITY

FIG. 1



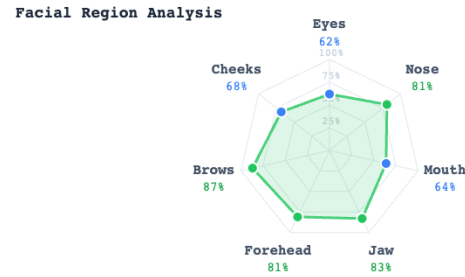
## FEATURE SIMILARITY PROFILE

FIG. 2



## FACIAL REGION ANALYSIS

FIG. 3



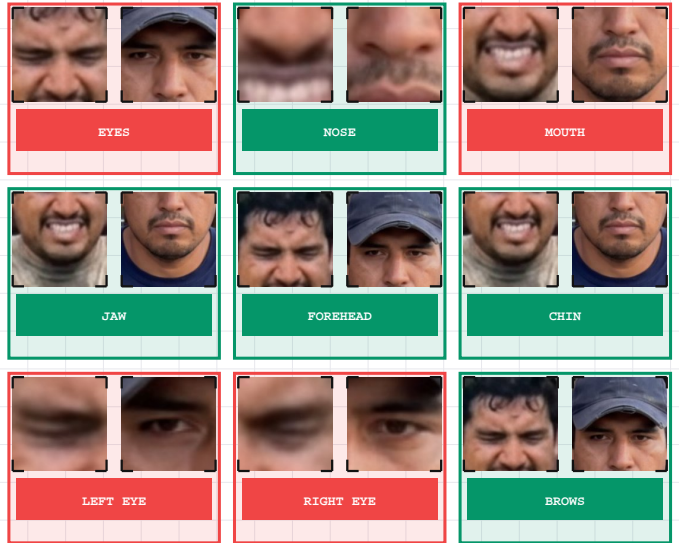
## SUBJECT COMPARISON

FIG. 4

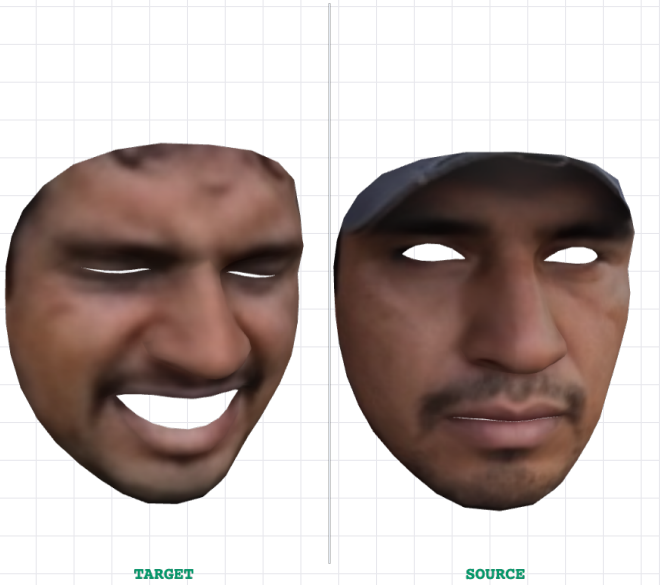


## FEATURE COMPARISON

FIG. 5



## 3D FACIAL TOPOLOGY



### ● VERDICT: STRONG MATCH

Weighing the quality, quantity, specificity, and stability of the observed similarities and dissimilarities — the features observed are more consistent with the same individual. The strongest evidence is the stable alignment of the midface architecture: a consistent nasal root-to-nasal body width relationship, a matching nasal base footprint relative to eye spacing, and the same patterned distribution of mustache and beard growth. The apparent differences cluster exactly where you would expect them when one image shows high exertion (forced eyelid closure and a clenched-teeth grimace) and the other shows a neutral, relaxed face, making those dissimilarities minor and situational rather than structural.

SUBJECT PROFILES

TARGET PROFILE

Older adult male (late 60s appearance), medium-to-tan skin tone, dark hair kept short with a forward, slightly tousled top. Expression shows pronounced exertion: eyes squeezed shut, midface tensed, and teeth clenched, creating strong compression in the eyelids and mouth area. Visible dark mustache with short beard/stubble along the chin and jaw; no visible jewelry. Indoor gym setting with harsh overhead lighting and noticeable motion/low-resolution blur that softens fine skin detail.

SOURCE PROFILE

Older adult male (late 60s appearance), medium-to-tan skin tone, dark eyebrows, wearing a dark baseball cap that covers the hairline. Expression is neutral and steady with relaxed eyelids and a closed mouth, giving a clearer view of baseline facial proportions. Visible dark mustache with short beard/stubble concentrated around the upper lip and chin; no visible jewelry; crutches present (context only). Outdoor daylight photo with higher clarity and even illumination across the midface.

FORENSIC OBSERVATIONS

14 FINDINGS

01 Same nose bridge and mid-nose width NOSE

the nasal root/bridge (where the nose meets the forehead) presents as moderately broad with a straight, centered nasal body, and the mid-nose width remains proportionally consistent relative to the eye spacing in both images.



TGT

SRC

02 Matching nostril base footprint NOSE

the nasal base (alar-to-alar spread) reads similarly wide in proportion to the intercanthal distance (inner eye-corner spacing), with comparable alae thickness (nostril wing soft tissue) on both sides.



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03 Same upper-lip hair pattern MOUTH

the mustache shows a similar density band across the philtrum region (center under the nose) with the darkest concentration at the midline and tapering laterally toward the labial commissures (mouth corners).

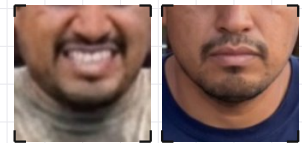


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04 Matching beard distribution CHIN

both subjects show short, even stubble across the chin and lower face, with the strongest density at the chin/mentum and lighter coverage toward the cheeks, consistent with the same grooming pattern.



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05 Similar eyebrow placement over the eyes EYEBROWS

the eyebrows sit relatively low over the superior orbital margin (upper eye socket rim), giving both faces a comparable "hooded" brow-to-eye relationship that remains stable despite different expressions.



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06 Same inner-brow spacing EYEBROWS

the medial brow heads (inner ends) appear similarly close to the nasal root, producing a consistent glabellar span (between-brow space) in proportion to the bridge width.

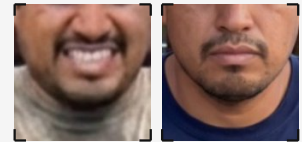


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07 Consistent chin prominence CHIN

the chin projects forward with a similar vertical height from the mentolabial sulcus (crease below the lower lip) to the chin tip, producing a comparable lower-third facial architecture.



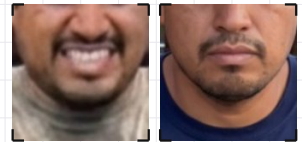
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08 **Comparable mandibular width impression**

JAW

the lower-face breadth (jaw-to-jaw) reads proportionally similar relative to the midface, even though soft-tissue fullness varies with exertion and lighting.



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09 **Different facial tension**

the target's exertion compresses the midface, deepening nasolabial folds and tightening the perioral tissues, while the source remains relaxed; these changes are expression-driven and do not indicate different underlying anatomy.



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10 **Different mouth shape in the moment**

MOUTH

the target's lip fissure is pulled into a clenched-teeth grimace, which distorts the vermilion borders and elevates the cheeks; the source shows a closed, neutral mouth where the natural lip outline sits flatter and wider.



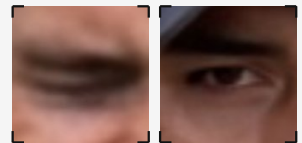
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11 **Different eyelid opening**

LEFT EYE

the target's eyelids are forcibly closed, collapsing the eye fissure and hiding the palpebral crease pattern, while the source maintains open eyes with a visible superior palpebral crease; this is a direct expression effect.



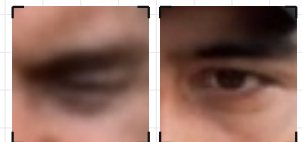
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12 **Different lower-lid contour**

RIGHT EYE

the target's lower eyelids are pushed upward by cheek contraction, altering the infraorbital furrow (tear-trough line), whereas the source shows a more natural lower-lid arc under relaxed cheeks.



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13 **Hat changes the forehead framing**

the source's cap creates a hard shadow line across the upper face and removes the natural hairline reference, while the target's hairline and forehead are fully framed by hair; this changes perceived upper-third proportions without changing identity.



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14 **The strongest geometric agreement aligns with what we see in the eye area**

EYES

the system's tightest agreements in the eye-to-pupil relationships track with the visual impression of consistent eye placement within the orbital region (stable spacing and alignment), which is one of the most expression-resistant anchors.



TGT

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