

Supplemental Materials

Table S1  
Reliability (Interjudge Agreement) on Thirteen Specific and Five Broad Categories for Terms

Category	Maa	Senufo
Dispositions	.61	.61
Temperament and character traits	.73	.68
Abilities, talents, etc.	.96	.67
Temporary conditions	.61	.57
Experimental states	.90	.90
Physical-bodily states	.90	.91
Behavioral states, observable activities	.57	.70
Social and reputational aspects	.55	.58
Social roles and relationships	.83	.71
Social effects	.52	.38
Pure evaluations	.57	.62
Attitudes and worldviews	.79	.80
Overt characteristics and appearance	.80	.79
Anatomy, constitution, morphology	.93	.90
Appearance, deportment, etc.	.41	.86
Terms of limited utility	-*	.04*
Context specific or technical	-*	-*
Ambiguous, vague, outmoded	.24	-*

*Note.* Reliabilities (interjudge agreement) are alpha coefficients based on intercorrelations among 5 judges across the English translations of Maa and Senufo terms  
The dash indicates negative average covariance between items.

\* Some judges assigned no terms to these categories.

Table S2

## Marker terms for Big Two, Pan-Cultural Three-Factor, Big Five and Big Six Models

Model and Scales	Maasai terms with English glosses	Supyire-Senufo terms with English glosses
<b>Big Two</b> (Saucier et al. 2014b) <sup>1</sup>		
Social Self-Regulation: Careful Diligent Disciplined Generous Gentle Good Honest Kind Obedient Respectful Responsible Versus: Selfish	(12) <i>o-isósiôn</i> : is <u>diligent</u> , fast <i>o-léy</i> : is <u>generous</u> , plenteous <i>sídái</i> : <u>good</u> (natured), well, beautiful <i>súpat</i> : <u>good</u> , nice, <u>kind</u> , polite <i>bíótó</i> : healthy, <u>kind</u> , <u>good</u> <i>k-aisípani</i> : <u>truthful</u> , correct, good guesser <sup>2</sup> <i>ó-íb<sup>+</sup>órr óshóke</i> : is <u>kind</u> <i>o-níy<sup>+</sup>ishó</i> : is <u>obedient</u> <i>enk-ányit</i> : <u>respect</u> <i>ányit</i> : shows <u>respect</u> , (capable of) shame Versus: <i>ó-rók óshóke</i> : is hard-hearted, <u>unkind</u> <i>kég<sup>+</sup>ól óyó</i> : <u>disobedient</u>	(18) <i>tara</i> : firm, tight, <u>diligent</u> ; <u>responsible</u> <i>u jùnk'ã pí</i> : <u>gentle</u> , <u>kind</u> <i>kááré</i> : <u>generous</u> <i>sùpyà</i> : <u>good</u> person <i>cèn mèfòð</i> : <u>good</u> person <i>mecenje fóó</i> : <u>good</u> name; <u>good</u> reputation <i>ticèn mè pyifoo</i> : favor; grace; <u>goodness</u> <i>u mēg'a tààn</i> : has a <u>good</u> reputation (lit. name) <i>kile sùpyà</i> : <u>good</u> , hospitable person <i>sùpyigire</i> : <u>goodness</u> , humaneness, love <i>u lùùn'a tààn</i> : <u>good-natured</u> , patient <i>zòncènè</i> : <u>good</u> heart; <u>honesty</u> ; frankness <i>funvyìngèfòð</i> : frank, open, <u>honest</u> person <i>silege shín</i> : <u>respectful</u> , polite person; person that should be respected Versus: <i>silege baá ' shín</i> : <u>disrespectful</u> , impolite person <i>jíjígaga fóó</i> : stubborn, <u>disobedient</u> <i>u njíg'ã waha</i> : stubborn, <u>disobedient</u> ; won't listen to advice <i>yeyjere</i> : lack of <u>respect</u> for someone; underestimation of someone's importance
Dynamism: Active	(15)	(17) <i>pyii fóó</i> : <u>active</u> person

<p>Brave</p> <p>Bold</p> <p>Cheerful</p> <p>Dynamic</p> <p>Energetic</p> <p>Happy</p> <p>Lively</p> <p>Sociable</p> <p><i>Versus:</i> Bashful</p> <p>Pessimistic</p> <p>Quiet</p> <p>Shy</p> <p>Silent</p> <p>Timid</p> <p>Weak</p>	<p><i>kálámás:</i> busy, <u>active</u>, clever, cunning</p> <p><i>ó-nénéŋ:</i> is light in weight, <u>active</u></p> <p><i>ɔ-prí:</i> is <u>brave</u>, fierce, fearless</p> <p><i>mágílání:</i> clever, <u>brave</u></p> <p><i>ɔltonjáni ɔshípa:</i> <u>happy</u>, joyful person</p> <p><i>ɔ-shípa:</i> is <u>happy</u>, pleased</p> <p><i>ɔ-ńída:</i> is proud, haughty, <u>happy</u></p> <p><i>Versus:</i></p> <p><i>o-ijulúús:</i> sad moods, is in; not <u>happy</u> (-)</p> <p><i>molaŋâ:</i> not <u>sociable</u></p> <p><i>ɔ-gíra:</i> is <u>silent</u>, <u>quiet</u>, soft-spoken</p> <p><i>r-sóra:</i> <u>shyness</u>, <u>timidity</u></p> <p><i>ɔl-bárió:</i> <u>timid</u> person, coward</p> <p><i>kurê:</i> <u>timid</u>, afraid, fearful, cowardly</p> <p><i>ɔ-dokénya:</i> <u>timid</u>, fearful, is</p> <p><i>ɔ-ména:</i> is poor, <u>weak</u>, feeble, wrong</p>	<p><i>u tenm'ã pɛr:</i> <u>overactive</u>, can't sit still</p> <p><i>u jàŋ'à tàrà:</i> <u>brave</u></p> <p><i>u jàŋ'à nòrò:</i> <u>brave</u></p> <p><i>ɲùŋgaga fóó:</i> <u>boldness</u>; rashness; <u>bravery</u>; foolhardiness</p> <p><i>u ɲùŋk'a wyèrè:</i> quick, <u>bold</u>, sharp</p> <p><i>u ɲùŋk'ã waha:</i> <u>bold</u>, courageous, foolhardy</p> <p><i>waraga:</i> <u>cheerful</u>, <u>lively</u></p> <p><i>nìrìmè:</i> <u>energy</u> in an undertaking; hard work</p> <p><i>u fũŋŋk'a ɲìŋè:</i> <u>happy</u></p> <p><i>u yyãh'à tààn:</i> <u>happy</u>, joyful</p> <p><i>u fũŋŋk'ã tààn:</i> <u>happy</u>, contented</p> <p><i>Versus:</i></p> <p><i>cwɔnhɔmɔfòò:</i> <u>unhappy</u> about something; always critical &amp; fussy</p> <p><i>fyáhà:</i> <u>quiet</u>, say nothing</p> <p><i>u màha ɲùŋke sògò:</i> <u>shy/easily</u> embarrassed (lit. hangs the head)</p> <p><i>fábá:</i> lazy; indolent, <u>weak</u></p> <p><i>shinfábaga kí:</i> lazy; indolent person; <u>weakling</u></p>
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**Pan-Cultural Three-Factor (De Raad et al., 2014)<sup>3</sup>**

<p>Affiliation:</p> <p>Affectionate, Benign</p> <p>Compassionate</p> <p>Conciliatory, Caring</p> <p>Charitable, Gentle</p> <p>Good, Good-natured</p> <p>Helpful, Hospitable</p> <p>Humane, Magnanimous</p> <p>Merciful, Mild-tempered</p> <p>Soft, Soft-hearted</p> <p>Sympathetic, Kind</p> <p>Kindhearted, Nice</p> <p>Understanding, Warm</p>	<p>(11)</p> <p><i>ó-náná óshóke:</i> is <u>compassionate</u></p> <p><i>ó-íb*órr óshóke:</i> is <u>soft-hearted</u>, <u>compassionate</u></p> <p><i>shíáát:</i> beautiful, <u>good</u>, interesting</p> <p><i>súpat:</i> <u>good</u>, <u>nice</u>, <u>kind</u>, polite</p> <p><i>sídát:</i> <u>good</u>(natured), well, beautiful</p> <p><i>bíótó:</i> healthy, <u>kind</u>, <u>good</u></p> <p><i>ó-íb*órr óshóke:</i> is <u>kind</u></p> <p><i>Versus:</i></p> <p><i>ó-yial:</i> is <u>arrogant</u>; plays ignorant</p> <p><i>ó-gógóy:</i> is stubborn, <u>arrogant</u></p> <p><i>tòrrónò:</i> <u>bad-hearted</u></p>	<p>(11)</p> <p><i>nùnaarà:</i> pity; <u>compassion</u> (stronger than numpinge)</p> <p><i>ɲùmpìŋe fóó:</i> pity; <u>compassion</u></p> <p><i>u ɲùnk'ã pí:</i> <u>gentle</u>, <u>kind</u></p> <p><i>ɲwɔ:</i> <u>good</u>, beautiful, handsome</p> <p><i>sùpyigire:</i> <u>goodness</u>, <u>humaneness</u>, love</p> <p><i>u lùùn'à tààn:</i> <u>good-natured</u>, patient</p> <p><i>sùpyà:</i> <u>good</u> person</p> <p><i>kile sùpyà:</i> <u>good</u>, <u>hospitable</u> person</p>
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<p>Warmhearted Well-intentioned <i>Versus:</i> Abrupt Aggressive, Arrogant, Authoritarian Bigmouthed, Bossy Callous, Conceited Covetous, Despotic Domineering, Egocentric Egotistical, Hard Hard-hearted, Harsh Obstinate, Overbearing Quarrelsome, Rapacious Revengeful, Ruthless Supercilious, Selfish Self-important Tyrannical, Vindictive</p>	<p><i>ò-rók òshòke:</i> is <u>hard-hearted</u>, unkind</p>	<p><i>cènmmèfòò:</i> <u>good</u> person <i>ticènmmè pyífoo:</i> favor, grace, <u>goodness</u> <i>Versus:</i> <i>zòmpi:</i> <u>covetousness</u>; avarice; greed</p>
<p>Dynamism: Active, Adventurous Assured, Bold Brisk, Cheerful Communicative Demonstrative Dynamic, Energetic Enterprising, Enthusiastic Extroverted, Exuberant Fast, Hot-blooded Laughs a lot, Lively Loquacious, Merry Open, Outspoken Self-confident, Sociable Sparkling, Spontaneous Spirited, Talkative Temperamental Unrestrained, Vigorous Vivacious, Winning <i>Versus:</i> Bashful, Boring Closed, Coy Fainthearted, Depressed Diffident, Hesitating Inhibited, Insecure Introverted, Lonely</p>	<p>(13) <i>kálámás:</i> busy, <u>active</u>, clever, cunning <i>ò-nénéy:</i> is light in weight, <u>active</u> <i>ò-áta en-kótók:</i> is <u>talkative</u> <i>Versus:</i> <i>molaṅáá:</i> not <u>sociable</u> <i>ò-ismán<sup>†</sup>úó:</i> is <u>depressed</u>, obsessing <i>ò-lýio:</i> is <u>lonely</u> <i>ò-gíra:</i> is <u>silent</u>, <u>quiet</u>, soft-spoken <i>ò-itolil<sup>†</sup>ó:</i> is <u>sad</u>, <u>depressed</u>, worried <i>ò-ijulúus:</i> <u>sad</u> moods, is in; not happy <i>í-sóra:</i> <u>shyness</u>, <u>timidity</u> <i>òl-bárió:</i> <u>timid</u> person, coward <i>kurê:</i> <u>timid</u>, afraid, fearful, cowardly <i>ò-dokénya:</i> <u>timid</u>, fearful, is</p>	<p>(10) <i>pyì fòó:</i> <u>active</u> person <i>u òṅk'ā waha:</i> <u>bold</u>, courageous, foolhardy <i>u òṅk'ā wyèrè:</i> quick, <u>bold</u>, sharp <i>waraga:</i> <u>cheerful</u>, <u>lively</u> <i>wyere:</i> rapid, in a hurry; <u>fast</u>; <u>quick</u> <i>funvyingèfòò:</i> frank, <u>open</u>, honest person <i>Versus:</i> <i>fyáhà:</i> <u>quiet</u>, say nothing <i>u fūṅk'ā per:</i> <u>sad</u> <i>u yyāh'ā tanha:</i> worried, <u>sad</u> <i>u màha òṅke sògò:</i> <u>shy</u>/easily embarrassed (lit. hangs the head)</p>

<p>Passive, Pessimistic  Quiet, Reserved  Sad, Sedentary  Shy, Silent  Solitary, Somber  Taciturn, Timid  Timorous, Unimaginative  Untalented, Withdrawn</p>		
<p>Order:  Accurate, Aspiring Balanced,  Businesslike Capable,  Concrete Consistent, Decisive  Determined, Diligent  Disciplined, Efficient Goal-  oriented  Hard-working  Industrious, Logical  Methodical, Organized  Practical, Precise Purposeful,  Qualified Rational,  Responsible  Self-disciplined Sedulous,  Stable Steadfast, Steady  Systematic, Thorough Well-  balanced  <i>Versus:</i> Absent-minded  Changeable, Chaotic Erratic,  Forgetful Frivolous, Hasty  Improvident, Imprudent  Inattentive, Incautious  Irresolute, Neglectful  Scatterbrained Uncontrolled  Unrealistic, Unwise Wishy-  washy</p>	<p>(5)  <i>ǝ-ídm:</i> is able, <u>capable</u>  <i>ǝ-dópa:</i> is effective, <u>efficient</u>  <i>e-nyúáátá:</i> <u>hard-work(ingness)</u>  <i>k-árriyá:</i> skilled, skillful, <u>precise</u>  <i>Versus:</i>  <i>o-úul*ó:</i> is <u>unstable</u></p>	<p>(5)  <i>màbàn:</i> courage; <u>diligence</u>; <u>industry</u>  <i>tara:</i> firm, tight, <u>diligent</u>;  <u>responsible</u>  <i>kùṅkwû:</i> <u>responsibility</u>  <i>zompyìwàà:</i> faithfulness;  <u>steadfastness</u>  <i>Versus:</i>  <i>u funṅwòr'ã nyaha:</i> forgetting,  <u>forgetfulness</u></p>
<p><b>Big Five</b> Seven-language composite (7LC): De Raad, Perugini, Hrebícková, &amp; Szarota (1998; Table 2); Goldberg 100 adjectives: from Goldberg (1992; abbreviated by Saucier, 1994) <sup>3</sup></p>		
<p><b>Conscientiousness</b>  <i>Both<sup>4</sup>:</i> Careful  Conscientious  Negligent, Systematic  Thorough  <i>Versus:</i> Inconsistent  7LC: Diligent, Precise  <i>Versus:</i> Lazy  Neglectful  Thoughtless</p>	<p>(9)  <i>abárani:</i> <u>careful</u>, perfect, ordered  <i>o-isósiön:</i> is <u>diligent</u>, fast  <i>k-árriyá:</i> skilled, skillful, <u>precise</u>  <i>ǝ-dópa:</i> is effective, <u>efficient</u>  <i>Versus:</i>  <i>malmáli:</i> <u>negligent</u>  <i>ǝ-imalímal:</i> is <u>negligent</u>; fools about  <i>táshálái:</i> <u>lazy</u>  <i>ǝ-shál:</i> is weak, <u>lazy</u>, unable to work</p>	<p>(8)  <i>màbàn:</i> courage; <u>diligence</u>; <u>industry</u>  <i>tara:</i> firm, tight, <u>diligent</u>;  <u>responsible</u>  <i>Versus:</i>  <i>kayama fòò:</i> <u>lazy</u> person  <i>sààfòò:</i> <u>lazy</u> person  <i>fábá:</i> <u>lazy</u>; indolent, weak</p>

<p>Unstable  <i>Goldberg</i>: Efficient  Organized  Practical, Prompt  Neat, Steady  <i>Versus</i>: Haphazard  Sloppy, Undependable</p>	<p><i>o-íúl* ó</i>: is <u>unstable</u></p>	<p><i>shinfábaga kí</i>: <u>lazy</u>; indolent person; weakling  <i>córógó</i>: giddy, <u>thoughtless</u>; heedless  <i>supyicogocogóró lí</i>: <u>thoughtless</u>; scatterbrained; hair-brained person</p>
<p><b>Agreeableness</b>  <i>Both</i>: Helpful  <i>7LC</i>: Peaceful  Tolerant  <i>Versus</i>: Aggressive  Bossy, Domineering  Egotistical/Egocentric  <i>Goldberg</i>: Agreeable  Considerate, Cooperative  Generous, Kind  Pleasant, Sympathetic  Trustful, Warm  <i>Versus</i>: Cold  Demanding, Harsh  Rude, Selfish  Uncharitable</p>	<p>(8)  <i>o-seriân</i>: safe, well, at <u>peace</u>, is  <i>o-niño</i>: is well-known, <u>agreeable</u>  <i>o-léy</i>: <u>generous</u>, plenteous, is  <i>ó-íb* órr óshóke</i>: <u>kind</u>, is  <i>súpat</i>: good, nice, <u>kind</u>, polite  <i>bíótó</i>: healthy, <u>kind</u>, good  <i>Versus</i>:  <i>ó-rók óshóke</i>: hard-hearted, <u>unkind</u>, is  <i>o-iróbr</i>: is <u>cold</u>, not easily aroused</p>	<p>(7)  <i>cyere nime nye u à</i>: <u>peace</u>; well-being  <i>u yyāh'a niñè</i>: <u>peaceful</u>, free from care  <i>kááré</i>: <u>generous</u>  <i>funtàngà fòò</i>: <u>generous</u>; happy  <i>u nùnk'ā pí</i>: gentle, <u>kind</u>  <i>Versus</i>:  <i>níné</i>: <u>cold</u>  <i>wyèèrè nye u na</i>: <u>cold</u></p>
<p><b>Emotional Stability</b>  <i>Both</i>: Imperturbable  <i>Versus</i>: Anxious  Emotional, Nervous  <i>7LC</i>: Self-Assured  <i>Versus</i>: Hyper-/Over-sensitive  Vulnerable  <i>Goldberg</i>: Relaxed  Undemanding  <i>Versus</i>: Envious  Fearful, Fretful  High-strung  Insecure, Irritable  Jealous, Moody  Self-pitying  Temperamental  Touchy, Unexcitable</p>	<p>(5)  <i>o-yeyíy* ená</i>: is <u>relaxed</u> (takes a rest)  <i>Versus</i>:  <i>kurèt</i>: timid, afraid, <u>fearful</u>, cowardly  <i>o-lòm</i>: <u>jealousy</u>  <i>o-ijulúus</i>: <u>sad moods</u>, is in; not happy  <i>ó-p* ósh</i>: is <u>excitable</u></p>	<p>(6)  <i>yyeyiye nye u à</i>: carefreeness; free from <u>anxiety</u>; peace; well-being  <i>Versus</i>:  <i>funmpenre fòò</i>: worry; <u>anxiety</u>  <i>nyipèen</i>: <u>envy</u>  <i>fyagara fóó</i>: <u>fear</u>  <i>yinicyege fòò</i>: <u>jealousy</u>; imitation of someone to get same attention  <i>funmbwòhò fòò</i>: <u>jealous</u> person</p>
<p><b>Extraversion</b></p>	<p>(10)</p>	<p>(8)</p>

<p><i>Both</i>: Energetic  Extraverted, Talkative  <i>Versus</i>: Bashful  Introverted  Reserved, Shy  Timid, Withdrawn  7LC: Dynamic  Sociable, Vivacious  <i>Versus</i>: Passive  Silent, Temperamental  Goldberg: Active  Assertive, Bold  Daring, Unrestrained  Verbal, Vigorous  <i>Versus</i>: Inhibited  Quiet, Unadventurous</p>	<p>ᵛ-áta en-kótók: is <u>talkative</u>  kálámás: busy, <u>active</u>, clever, cunning  ᵛ-nénéᵛ: is light in weight, <u>active</u>  o-itíéúsh<sup>†</sup>ó: <u>daring</u>, becomes  <i>Versus</i>:  r-sóra: <u>shyness</u>, <u>timidity</u>  ᵛl-bárió: <u>timid</u> person, coward  ᵛ-dokénya: is <u>timid</u>, fearful  molahâi: not <u>sociable</u>  ᵛ-bórrr: is calm, <u>quiet</u>, docile, gentle  ᵛ-gíra: is silent, <u>quiet</u>, soft-spoken</p>	<p>nìrìmè: <u>energy</u> in an undertaking;  hard work  pyí fóó: <u>active</u> person  u tenm<sup>ã</sup> per: <u>overactive</u>, can't sit still  u ñùᵛk<sup>ã</sup> waha: <u>bold</u>, courageous, foolhardy  ñùᵛgaga fóó: <u>boldness</u>; rashness; <u>bravery</u>; foolhardiness  u ñùᵛk<sup>a</sup> wyèrè: quick, <u>bold</u>, sharp  <i>Versus</i>:  u màha ñùᵛke sògò: <u>shy</u>/easily embarrassed (lit. hangs the head)  fyáhà: <u>quiet</u>, say nothing</p>
<p><b>Intellect</b>  <i>Both</i>: Imaginative  7LC: Clever, Intelligent  Knowledgeable  <i>Versus</i>: Undereducated  Goldberg: Artistic, Bright  Creative, Complex  Deep, Innovative  Intellectual, Introspective  Philosophical  <i>Versus</i>: Imperceptive,  Shallow, Simple  Uninquisitive  Unintelligent Unsophisticated  Unreflective</p>	<p>(4)  ᵛ-dám<sup>†</sup> íshó: thinking, <u>imaginative</u>  mágíláni: <u>clever</u>, brave  ᵛl-áshómpái: <u>educated</u> person  ᵛl-áitéᵛᵛnani: teacher, imparts <u>knowledge</u></p>	<p>(5)  cyííᵛè: <u>clever</u>, smart; aware  sìᵛcyìimè: craftiness; <u>cleverness</u>; <u>intelligence</u>; trickery  kayèrè fòò wì: skilled at many things; <u>clever</u>; handyman  yákilitàngàfòò: <u>intelligent</u>  <i>Versus</i>:  tíf: correct, right, straight; simple; not <u>complex</u></p>
<p><b>Big Six</b> Cross-language Six (CL6): derived from Ashton et al. 2004; Wide-variable-selection Cross- Language Six (WCL6): from Saucier (2009)</p>		
<p><b>Conscientiousness</b>  <i>Both</i><sup>5</sup>: Disciplined  Meticulous, Orderly  Organized  CL6: Industrious, Diligent,  Thorough, Conscientious  Dutiful, Precise  <i>Versus</i>: Absentminded</p>	<p>(7)  abárani: <u>careful</u>, perfect, <u>ordered</u>  o-isósiön: <u>diligent</u>, fast, is  k-árriyá: skilled, skillful, <u>precise</u>  e-nyúáátá: <u>hard-work</u>(ingness)  <i>Versus</i>:  kéréré: slovenly, <u>disorderly</u>  táshálái: <u>lazy</u></p>	<p>(6)  tara: firm, tight, <u>diligent</u>;  <u>responsible</u>  <i>Versus</i>:  kayama fòò: <u>lazy</u> person  sààfòò: <u>lazy</u> person  fábá: <u>lazy</u>; indolent, weak</p>

<p>Careless, Frivolous Irresponsible, Lazy Rash, Reckless WCL6: Consistent Hard-working, Moderate Neat, Responsible Systematic, Tidy</p>	<p>ɔ-shál: weak, <u>lazy</u>, unable to work, is</p>	<p>shinfábaga kí: <u>lazy</u>; indolent person; weakling u nyiìn'ā waha: stubborn, <u>rash</u></p>
<p><b>Honesty and Humility or Propriety</b> CL6: Just, Honest Sincere, Loyal Versus: Boastful Calculating Conceited Greedy Hypocritical, Sly WCL6: Awful Bad, Beastly Corrupt, Cruel Dangerous Disgusting, Evil Inhuman, Insane Vicious, Wicked</p>	<p>(8) k-aisípani: <u>truthful</u>, correct, good guesser<sup>2</sup> Versus: o-lúbo: is <u>greedy</u> o-piák: is mean, stingy, <u>greedy</u> ɔ-isép<sup>†</sup> é: is <u>greedy</u>, gluttonous ɔ-súnkúróí: guileful person, <u>hypocrite</u> súújí: ugly, poor, menial, <u>bad</u> tǝrrónó: <u>bad-hearted</u> kíárruoni: <u>wicked</u>, belligerent</p>	<p>(9) funvyìngèfòdò: frank, open, <u>honest</u> person Versus: yàmpèèè: <u>boasting</u> zòm̀p̀: covetousness; avarice; <u>greed</u> nyitɔ̀nɔ̀ fòdò: <u>greed</u>; felt they haven't gotten fair share kyán: <u>bad</u>, refuse to get along with; rebel against pí: <u>bad</u>, <u>dangerous</u> supyikuunɔ̀ kí: <u>bad</u> person supyipege kí: <u>bad</u> person; <u>dangerous</u> person numpí: <u>bad</u>; ugly; <u>dangerous</u></p>
<p><b>Agreeableness</b> Both: Peaceful, Tolerant Versus: Irritable Stubborn CL6: Patient, Agreeable Good-natured, Mild Versus: Aggressive Authoritarian, Choleric Hot-headed WCL6: Kind, Calm Easygoing, Generous Gentle, Understanding Versus: Anxious Brawling, Fiery Impatient, Impulsive Irascible, Quarrelsome</p>	<p>(11) o-serián: is safe, well, at <u>peace</u> ɔ-iturríj<sup>†</sup> á: is <u>calm</u>, <u>patient</u> o-níjò: is well-known, <u>agreeable</u> sídái: <u>good(natured)</u>, well, beautiful ǝ-ib<sup>†</sup> ǝrr ǝshóke: is <u>kind</u> súpat: <u>good</u>, nice, <u>kind</u>, polite bíótó: healthy, <u>kind</u>, good o-léj: is <u>generous</u>, plenteous Versus: ó-gógóy: is <u>stubborn</u>, arrogant e-wúápa: <u>hot-temperedness</u>, anger ǝ-rók ǝshóke: is hard-hearted, <u>unkind</u></p>	<p>(11) cyere nime nye u à: <u>peace</u>; well-being u yyāh'a nìjè: <u>peaceful</u>, free from care u lù̀n'ā tà̀n: <u>good-natured</u>, patient u jà̀j'ā tè̀n: <u>calm</u>, unflappable kááré: <u>generous</u> funtàngà fòdò: <u>generous</u>; happy u nù̀nk'ā pí: <u>gentle</u>, <u>kind</u> Versus: jǝjǝgaga fóó: <u>stubborn</u>, disobedient u njǝg'ā waha: <u>stubborn</u>, disobedient; won't listen to advice</p>



Quick-tempered		<i>yukwón</i> : <u>quarreler</u> <i>u lùùn'ā pen</i> : <u>bad-tempered</u>
<b>Resiliency vs. Emotionality</b> <i>CL6</i> : Brave Courageous Imperturbable Independent Resolute Self-assured Strong <i>Versus</i> : Anxious Emotional Fragile Sentimental Vulnerable <i>WCL6</i> : Cowardly Depressed Fearful Frustrated Gloomy Sad	(11) <i>ɔ-pí</i> : is <u>brave</u> , fierce, <u>fearless</u> <i>mágílání</i> : clever, <u>brave</u> <i>o-gól óshókè</i> : is <u>courageous</u> <i>o-itagól*úó</i> : is <u>courageous</u> <i>o-gól</i> : is <u>strong</u> , hard, <u>courageous</u> <i>Versus</i> : <i>o-súújí</i> : <u>coward</u> <i>ɔl-bárió</i> : timid person, <u>coward</u> <i>kurêt</i> : timid, afraid, <u>fearful</u> , <u>cowardly</u> <i>ɔ-dokénya</i> : is timid, <u>fearful</u> <i>o-itolíl*ó</i> : is <u>sad</u> , <u>depressed</u> , worried <i>o-ijulúus</i> : <u>sad</u> moods, is in; not happy	(11) <i>u jàṅ'à tàrà</i> : <u>brave</u> <i>u jàṅ'à nòrò</i> : <u>brave</u> <i>u nùṅk'ā waha</i> : bold, <u>courageous</u> , foolhardy <i>mayàará fòó</i> : person who does whatever they want, <u>independent</u> of constraint <i>cuunɔ</i> : healthy, live long, resistant; <u>strong</u> ; get well <i>shiile</i> : <u>strong</u> , tough <i>niticùùwò</i> : healthy; <u>strong</u> ; resistant; long-lasting person <i>shintícuúwó</i> : healthy person; <u>strong</u> person <i>yyeṅiye nye u à</i> : carefreeness; free from <u>anxiety</u> ; peace; well-being <i>Versus</i> : <i>funmpenre fòò</i> : worry; <u>anxiety</u> <i>fyagara fòó</i> : <u>fear</u> <i>u fūṅk'ā pen</i> : <u>sad</u> <i>u yyāh'ā tanha</i> : worried, <u>sad</u>
<b>Extraversion</b> <i>Both</i> : Cheerful Sociable, Talkative <i>Versus</i> : Silent Withdrawn <i>CL6</i> : Extraverted Lively, Vivacious <i>Versus</i> : Introverted Passive, Quiet Shy, Solitary Reserved, Taciturn <i>WCL6</i> : Friendly Gregarious, Outgoing Smiling, Vivacious	(5) <i>ɔ-áta en-kótók</i> : is <u>talkative</u> <i>Versus</i> : <i>molaṅâ</i> : not <u>sociable</u> <i>ɔ-gíra</i> : is <u>silent</u> , <u>quiet</u> , soft-spoken <i>ɪ-sóra</i> : <u>shyness</u> , timidity <i>dí*á</i> : <u>unfriendly</u>	(3) <i>waraga</i> : <u>cheerful</u> , <u>lively</u> <i>Versus</i> : <i>fyáhà</i> : <u>quiet</u> , say nothing <i>u màha nùṅke sògò</i> : <u>shy</u> /easily embarrassed (lit. hangs the head)
<b>Originality/Talent</b>	(3)	(4)

<i>Both</i> : Intelligent Intellectual, Original <i>CL6</i> : Clever, Sharp Creative, Gifted, Ironic, <i>Versus</i> : Conservative Conventional <i>WCL6</i> : Admirable, Brilliant, Important, Impressive Knowledgeable Outstanding, Unusual Talented, Wise <i>Versus</i> : Average Ordinary, Traditional	<i>mágiláni</i> : <u>clever</u> , brave <i>típat</i> : value, worth, <u>importance</u> <i>ol-átéñéñani</i> : teacher, imparts <u>knowledge</u>	<i>sįncyìimè</i> : craftiness; <u>cleverness</u> ; <u>intelligence</u> ; trickery <i>yákilitàngàfòdò</i> : <u>intelligent</u> <i>cyíígè</i> : <u>clever</u> , smart; aware <i>kayèrè fòdò wì</i> : skilled at many things; <u>clever</u> ; handyman
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*Note.* In eight cases the English glosses of a term led to word root matches with more than one scale in a model, e.g. Senufo *funtàngà fòdò*: ‘generous; happy’ matched to both Big Two Social Self-Regulation and Dynamism. In four of these cases, the term was excluded from both scales. In four the first and/or majority content was relied on to place the terms, respectively, into B5 ES and B6R (Senufo *yeyñiñe nyé u à*), B5 ES (Maa *kurêt*), and B6O (Maa *mágiláni*; in this case, the small number of available items for the scale was also a consideration).

<sup>1</sup>As Maasai and Senufo data were used to construct the original lists in Table 2 of Saucier et al. (2014b), new lists were reconstructed without input from these languages. Using the same criteria as in the paper of a term that appeared in a majority of the languages, this led to no items being removed from lists, but several added (for social self-regulation careful and disciplined, for Dynamism quiet, happy, bashful, cheerful, dynamic, energetic, pessimistic, silent, and sociable) as the bar was now 4 of 7 rather than 5 of 9.

<sup>2</sup> This term with the gloss ‘truthful’ was included on SSR and Big Six Honesty despite a direct word root match because of a lack of any term with a gloss including the root ‘honest’, and the full overlap of meaning between these terms.

<sup>3</sup> The pan-cultural 3 lists included many direct opposites using the same word root, e.g. sociable and unsociable. In these cases only the first term is shown.

<sup>4</sup> “Both” refers to words that appear in both the 7LC and Goldberg lists.

<sup>5</sup> “Both” refers to words that appear in both the CL6 and WCL6 lists.

Table S3

Full optimal emic solution Maasai, ipsatized data, oblimin rotation, all targets (N = 320), “psychological broad” variable selection

		Component				
		1	2	3	4	5
e-ñénó	wisdom	-.97	.56	.22	.05	-.20
ó-mónyák	lucky, perfect, is	-.97	.55	.21	.08	-.17
enk-ányit	respect	-.96	.54	.23	.10	-.19
ε-léjéré	deception, act of cheating	.96	-.43	-.22	-.09	.07
o-sínya	holy, saintly, blameless, is	-.96	.54	.19	.11	-.19

o-dópa	effective, efficient, is	-.96	.51	.23	.08	-.16
típat	value, worth, importance	-.96	.53	.21	.07	-.21
o-léŋ	generous, plenteous, is	-.96	.53	.22	.02	-.22
o-serîân	safe, well, at peace, is	-.96	.55	.20	.09	-.20
o-luŋáni oshípa	happy, joyful person	-.96	.56	.19	.06	-.22
o-áitéŋénani	teacher, imparts knowledge	-.96	.53	.23	.07	-.16
súpat	good, nice, kind, polite	-.96	.51	.22	.09	-.19
en-cípâi	joy, happiness	-.95	.54	.21	.09	-.24
ó-s <sup>†</sup> íp	certain, is	-.95	.57	.21	.09	-.20
en-ashê	gratitude	-.95	.53	.20	.07	-.17
o-aásani	doer, worker	-.95	.55	.21	.07	-.21
o-kepárrí	aloof, is	.95	-.44	-.21	-.12	.07
o-éka	bored, weighed-down, is	.95	-.47	-.19	.03	.13
e-nyúáátá	hard-work(ingness)	-.95	.55	.20	.02	-.22
o-luŋáni oðópa	reliable, dependable person	-.95	.50	.19	.01	-.21
k-aísípani	truthful, correct, good guesser	-.95	.52	.26	.09	-.17
o-l-airúkoni	believer	-.95	.51	.26	.07	-.16
k-árriyiá	skilled, skillful, precise	-.95	.51	.20	.07	-.19
o-shípa	happy, pleased, is	-.95	.55	.16	.07	-.25
o-bórr	calm, quite, docile, gentle, is	-.95	.52	.19	.11	-.18
o-súújí	coward	.94	-.49	-.17	-.07	.09
ányit	shows shame, respect	-.94	.55	.20	.14	-.15
o-l-marenké	gossip	.94	-.47	-.25	-.14	.02
súújí	ugly, poor, menial, bad	.94	-.47	-.22	-.01	.07
o-piák	mean, stingy, greedy, is	.94	-.49	-.20	-.07	.10
ó-íb <sup>†</sup> órr óshóke	soft-hearted, compassionate, is	-.94	.51	.19	.06	-.18
en-kídímátá	ability, capacity, strength	-.94	.57	.17	.02	-.22
o-l-áimónkoni	liar, cheater	.93	-.46	-.20	-.06	.08
o-ijulúus	sad moods, is in; not happy	.93	-.49	-.16	.00	.15
o-mún <sup>†</sup> ó	not straightforward, is	.93	-.48	-.20	-.11	.05
o-isósion	diligent, fast, is	-.93	.51	.18	.04	-.21
o-kelelári	loner, is a	.93	-.46	-.22	-.15	.09
a-sípani	truthful, is	-.93	.55	.23	.11	-.17
o-mór <sup>†</sup> ishó	crude, vulgar, is	.93	-.54	-.24	-.12	.04
em-píris	grace, mercy, no appetite	-.93	.51	.23	.15	-.21
abárani	careful, perfect, ordered	-.92	.55	.20	.07	-.21
séro	unreliable	.92	-.50	-.21	-.03	.02
sídái	good(natured), well, beautiful	-.92	.53	.23	.07	-.21
enk-álánó	ineptitude, clumsiness	.92	-.48	-.18	-.04	.10
o-gól	strong, hard, courageous, is	-.92	.51	.18	.03	-.21

o-góro	angry, annoyed, upset, is	.92	-.43	-.23	-.14	.10
e-wúapa	hot-temperedness, anger	.92	-.50	-.18	-.14	.10
ó-ímm	lost, is	.92	-.42	-.20	-.05	.04
ol-perét	war-monger	.91	-.48	-.22	-.14	-.01
ε-málmálisho	provocativeness of fights	.91	-.41	-.19	-.14	.03
kég <sup>†</sup> ól óησ	disobedient	.91	-.42	-.23	-.08	.05
ó-íb <sup>†</sup> órr óshóke	kind, is	-.91	.45	.22	.09	-.18
σ-ιδαηίδαη	awkward in speech, confused, is	.91	-.48	-.13	-.03	.11
σ-súnkúrói	guileful person, hypocrite	.91	-.44	-.20	-.05	-.01
kérére	slovenly, disorderly	.91	-.49	-.22	-.01	.06
σ-ιmalímal	negligent, is; fools about	.91	-.37	-.22	-.08	.04
σ-áta omóm	lucky, fortunate, is	-.91	.54	.20	.03	-.21
ol-aríshani	judge, arbitrator, reconciler	-.91	.51	.22	.02	-.19
σ-ιπάδαν	skilled, is	-.91	.55	.17	.09	-.13
ol-kílói	stupid person	.91	-.48	-.17	.02	.07
ó-ísol	the best, is (excels)	-.91	.47	.18	.04	-.15
σ-naúru	tired, is	.91	-.44	-.24	-.03	.19
εn-kibá	hatred	.91	-.48	-.19	-.17	.06
shíáát	beautiful, good, interesting	-.91	.53	.15	.03	-.23
ol-owuarú	beast-like character	.90	-.56	-.12	-.07	.17
ó-rók óshóke	hard-hearted, unkind, is	.90	-.45	-.15	-.08	.05
kirótét	popular, favorite	-.90	.54	.17	.03	-.17
ó-p <sup>†</sup> ók	strengthened after stress, is	-.90	.57	.19	.02	-.20
ol-mená	contempt, scorn	.90	-.47	-.22	-.16	.11
tórrónô	bad-hearted	.90	-.52	-.25	-.04	.11
σ-ιsép <sup>†</sup> é	greedy, gluttonous, is	.90	-.52	-.17	-.02	.13
dí <sup>†</sup> á	unfriendly	.90	-.49	-.16	-.07	.01
ó-ídım	able, capable, is	-.89	.53	.21	.00	-.16
o-níηo	well-known, agreeable, is	-.89	.59	.26	.03	-.20
malmáli	negligent	.89	-.41	-.19	-.02	.01
ol-σιηóni	powerful person, bull	-.89	.49	.24	.03	-.23
σ-ιsín <sup>†</sup> á	depressed, troubled, is	.89	-.49	-.09	.09	.20
kíárruoni	wicked, belligerent	.89	-.49	-.16	-.12	.07
ol-áιηókoni	sinner	.89	-.64	-.16	-.10	.15
ol-kánísái	church-goer	-.89	.50	.24	.00	-.16
σ-ιsínán <sup>†</sup> úó	depressed, obsessing, is	.89	-.46	-.10	.10	.17
bíótó	healthy, kind, good	-.89	.63	.19	.01	-.28
o-níη <sup>†</sup> íshó	obedient, is	-.89	.49	.23	.05	-.17
σ-ιησnyóησny	complaining, grumbling, is	.88	-.43	-.17	-.07	-.01
σ-móda	foolish, dull-witted, is	.88	-.58	-.11	-.01	.16

ó-yial	arrogant, is; plays ignorant	.88	-.38	-.23	.02	.16
ol-bárió	timid person, coward	.88	-.57	-.15	.06	.11
o-itagól <sup>†</sup> úó	courageous, is	-.88	.54	.13	-.09	-.24
ol-aríkoni	leader, influencer of opinion	-.88	.47	.14	.03	-.19
o-lôm	jealousy	.88	-.52	-.20	-.10	.05
o-yék <sup>†</sup> ishó	troublesome, is	.88	-.44	-.24	-.06	.10
o-laikín <sup>†</sup> ó	unable, is (fails)	.87	-.46	-.16	.12	.09
o-serém	worshipping, adoring, is	-.87	.45	.31	.06	-.18
o-gól lukonyá	stubborn, hard-headed, is	.87	-.39	-.24	-.19	.09
o-ididána	restless, is	.87	-.37	-.23	-.06	.03
o-pí	brave, fierce, fearless, is	-.87	.59	.10	-.04	-.19
ó-gógónj	stubborn, arrogant, is	.86	-.43	-.19	-.17	.05
o-iróbi	cold, not easily aroused, is	.86	-.48	-.19	.02	.16
o-shál	weak, lazy, unable to work, is	.86	-.46	-.19	.05	.13
o-áta enk-óshòke	greedy for food, is	.86	-.47	-.21	.03	.04
táshálái	lazy	.86	-.53	-.17	.08	.18
kurê	timid, afraid, fearful, cowardly	.84	-.57	-.11	.10	.17
ó-íb <sup>†</sup> órr ónyék	immoral, promiscuous, is	.84	-.45	-.18	.01	.04
o-sípa	true, correct, is	-.84	.53	.25	.13	-.14
o-lepóri	discouraged, is	.84	-.57	-.12	.10	.25
ol-púrríshói	thief	.83	-.66	-.13	-.05	.25
o-bayíé	inexperienced, less proficient, is	.83	-.43	-.11	.11	.08
e-ńókí	sin, offense	.83	-.72	-.14	-.02	.18
o-nyámal	busy, is (fusses)	.82	-.35	-.17	.04	.13
o-lúbo	greedy, is	.82	-.49	-.11	.13	.14
o-rém <sup>†</sup> ishó	good at spearing, is; defames	.82	-.47	-.23	-.21	.03
o-líyio	lonely, is	.82	-.34	-.22	.04	.09
ol-árani	murderer, killer	.82	-.56	-.20	-.02	.09
o-íka	aloof, haughty, is	.82	-.38	-.12	-.09	.06
o-pé	wild, troublesome, jittery, is	.81	-.52	-.22	-.12	.16
ε-setán	bewitchment	.80	-.73	-.07	.00	.27
kerî	mean, not dependable	.80	-.45	-.10	.02	.06
o-dokénnya	timid, fearful, is	.79	-.41	-.28	-.14	.11
ol-ásákútoni	sorcerer, minor witch	.79	-.72	-.09	-.05	.24
ol-áshómpái	educated person	-.79	.42	.17	.06	-.18
o-íúl <sup>†</sup> ó	unstable, is	.79	-.35	-.14	-.06	.06
ó-náná óshòke	compassionate, is	-.78	.42	.42	.06	-.14
o-itíéúsh <sup>†</sup> ó	daring, becomes	-.78	.59	.19	-.06	-.21
o-tarapóshe	satisfied, is (or pregnant)	-.75	.37	.01	-.05	-.17
yiólóti	well-known	-.75	.66	.16	-.01	-.21

ο-tagolík <sup>†</sup> ió	troubled, has problems	.75	-.50	-.09	.12	.22
bayaróti	perfect, meeting requirements	-.75	.46	.24	.05	-.04
ό-ίrit	frightened, startled, is	.74	-.53	.03	-.01	.29
mágíláni	clever, brave	-.73	.40	.17	-.07	-.12
ο-tanaór <sup>†</sup> έ	tired, weighed down, is	.72	-.40	-.20	.19	.09
ο-ιμοσύνε	remorseful, guilty, is	.72	-.35	-.06	-.07	.22
ο-ιτιρρίη <sup>†</sup> ά	calm, patient, is	-.72	.46	.20	.08	.06
ε-σίραί	regret, deep love for something	.72	-.45	-.03	-.21	.12
ο-μένα	poor, weak, feeble, wrong, is	.71	-.49	-.07	.12	.07
λεπέσhο	useless, free	.70	-.35	-.09	.10	.16
ο-korró	ashamed, is	.70	-.39	.00	-.06	.24
kálámás	busy, active, clever, cunning	-.67	.40	.04	-.05	-.21
ο-ιβάλα	conspicuous, is	-.67	.44	.19	-.08	-.12
ο-dεένya	proud, overconfident, is	.67	-.32	-.37	-.24	.28
ο-iputúkuny	frightened, horror-struck, is	.65	-.39	.03	.02	.31
molanhâ	not sociable	.61	-.31	-.10	.01	-.08
ό-lálá	broad-minded, is	-.61	.45	.07	-.08	.01
kitók	elderly, senior	-.61	.31	.22	-.16	-.12
ο-itolíl <sup>†</sup> ό	sad, depressed, worried, is	.60	-.35	.01	.14	.29
ol-wuasá	arrogance, snobbishness	.60	-.36	-.35	-.24	.08
ο-ηίδα	proud, haughty, happy is	.53	-.15	-.26	-.29	.11
ο-έν <sup>†</sup> ίshó	tied against disease, bad luck, is	.53	-.39	-.21	.04	.44
ό-p <sup>†</sup> úsh	excitable, is	.52	-.28	-.45	-.14	.02
ol-alótoni	pilgrim, travels a lot	.50	-.15	-.20	.12	-.09
en-kírútótó	surprise, fright	.50	-.42	-.39	.18	.35
ο-σί	impatient, is	.49	-.16	-.13	.05	-.13
bótór	old, senior, large	-.45	.33	.17	-.39	-.14
ο-ηάσιαrsho	astonished, surprised, is	.37	-.01	-.31	-.15	.13
módóóni	blind, ignorant	.57	-.76	.02	.16	.38
ηojíne	lame, hyena-like	.55	-.72	-.01	.15	.40
mínáni	blunt, deaf, dumb	.64	-.68	-.07	.17	.33
ο-júrr <sup>†</sup> íshó	fickle, is; scrutinizes	-.55	.59	.15	-.18	.08
tásat	disabled, withered, weakly	.50	-.59	-.01	-.15	.18
ol-aishírani	complainer, complains too much	.42	-.55	-.08	-.02	.02
ο-yeηίy <sup>†</sup> έηά	relaxed, is (takes a rest)	-.28	.35	-.02	.09	.10
ο-ιτόr <sup>†</sup> είshó	in command, is	-.28	.33	-.06	-.33	.15
ο-gól óshóke	courageous, is	-.07	.26	-.60	.15	-.11
ο-áta en-kótók	talkative, is	.21	-.04	-.59	-.07	-.01
ο-gíra	silent, quiet, soft-spoken, is	-.44	.34	.45	.14	.15
ol-σséκ	craftiness, intrigue	.39	-.30	-.30	-.44	.16

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kití	little, small, young	-.24	.13	-.01	.44	-.09
o-uré	afraid of, is	.12	-.05	.02	-.16	.56
l-sóra	shyness, timidity	.43	-.30	.12	.07	.46
ε-sáyíét	poison; stingy, attractive	.01	-.06	-.41	-.06	.46

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Table S4

Correlations between Maasai factors and etic marker scales in raw data, among less admired targets only (N =154)

	B2S	B2D	PC3A	PC3D	PC3O	B5C	B5A	B5ES	B5E	B5I	B6C	B6H	B6A	B6ES	B6E	B6O
F1 of 2	<b><u>-.87</u></b>	<b><u>-.51</u></b>														
F2 of 2	-.37	<b><u>-.70</u></b>														
F1 of 3			<b><u>-.62</u></b>	-.32	-.48											
F2 of 3			-.36	<b><u>-.73</u></b>	-.38											
F3 of 3			<b>.51</b>	.39	<b><u>.56</u></b>											
F1 of 5						<b><u>-.51</u></b>	<b><u>-.43</u></b>	-.42	-.41	-.28						
F2 of 5						<b><u>-.60</u></b>	<b><u>-.55</u></b>	-.35	-.18	-.31						
F3 of 5						-.35	-.34	-.45	<b><u>-.58</u></b>	.04						
F4 of 5						-.22	-.24	<b><u>-.26</u></b>	.01	-.10						
F5 of 5						.18	.37	.25	.23	<b><u>.55</u></b>						
F1 of 6											<b><u>-.51</u></b>	-.48	<b><u>-.63</u></b>	-.36	-.09	-.33
F2 of 6											-.47	<b><u>-.53</u></b>	-.35	<b><u>-.58</u></b>	-.40	-.25
F3 of 6											-.41	-.43	-.28	-.47	<b><u>-.40</u></b>	-.01
F4 of 6											-.17	<b><u>-.43</u></b>	-.32	-.05	.00	-.04
F5 of 6											.28	.16	.37	.41	.02	<b><u>.43</u></b>
F6 of 6											<b><u>-.07</u></b>	-.06	.08	.05	-.13	.14

*Note.* Varimax rotation, “psychological broad” variable selection (169 terms). F = Factor, B2S = Big Two social self-regulation, B2D = Big Two dynamism, PC3A= Pan-Cultural Three affiliation, PC3D = Pan-Cultural Three dynamism, PC3O = Pan-Cultural Three order, B5C = Big Five conscientiousness, B5A = Big Five agreeableness, B5ES = Big Five emotional stability, B5E = Big Five extraversion, B5I = Big Five intellect, B6C = Big Six conscientiousness, B6H = Big Six honesty, humility, propriety, B6A = Big Six agreeableness, B6ES = Big Six emotionality vs. resiliency, B6E = Big Six extraversion, B6O = Big Six openness or originality. Correlations  $\geq .50$  in magnitude are bolded for emphasis. The best match correlations (relying on a joint PCA of the scales and factor scores) are underlined. The average best match correlations by model: Big Two, .79; Pan-Cultural Three, .64; Big Five, .51; Big Six, .42.



Table S5

Supyire-Senufo optimal emic solution of 10 factors, oblimin rotation, all targets (N = 211), “psychological broad” variable selection

		1	2	3	4	5	6	7	8	9	10
yukwón	quarreler	.71	.22	-.11	.08	-.15	-.20	-.31	-.26	-.18	-.39
silege baá ' shín	disrespectful, impolite person	.70	.04	-.12	-.08	-.11	-.31	-.15	-.16	-.08	-.31
mayàará fóó	independent person, individualist, aloof, does not join others, person who does whatever they want, independent of constraint	.67	.11	-.05	.05	-.23	-.29	-.20	-.14	-.02	-.06
nàfaanna shín	person who engages in trickery	.67	.17	-.23	.05	-.19	-.19	-.05	-.35	-.23	-.19
supyikuuṅo ki	is bad, dangerous	.66	.27	-.20	-.03	-.13	-.24	-.13	-.29	-.22	-.26
numpi	bad, ugly, dangerous	.64	.21	-.19	.14	-.19	-.18	-.05	-.42	-.07	-.22
ḡjirivahashin	worthless person	.63	.00	-.18	.08	-.06	-.07	-.13	-.05	-.05	-.15
kakuumpyi	evildoer	.61	.22	-.16	.12	-.21	-.26	-.25	-.34	-.05	-.37
u ṅwḡg'a faha	gossip, doesn't keep confidence (mouth is light)	.59	.15	-.21	.01	-.27	-.11	-.12	-.21	-.29	-.29
zòḡkanpyagafóó	glutton	.58	.08	-.09	.14	-.25	-.24	.03	-.23	-.36	-.21
supyipege ki	is a bad person	.57	.28	.01	.01	-.13	-.20	-.42	-.21	-.03	-.27
kajwuḡjwu	tattletale, tale-bearer	.57	.03	-.19	-.20	-.26	-.20	-.03	-.13	-.15	-.26
zòmṑi	covetousness, avarice, greed	.57	.25	-.15	.03	-.41	-.14	-.05	-.32	-.27	-.38
cwḡnhḡmḡfòò	critical person, always unhappy about smthg	.55	.32	-.16	.12	-.12	-.16	-.15	-.43	-.01	-.22
sílégé	shame, embarrassment	-.54	-.34	.02	-.17	.22	.29	.06	.30	.17	.25
cwḡrḡfòò	contrarian, person who on purpose does something unexpected	.52	.23	-.11	.08	-.29	-.21	-.14	-.41	-.18	-.47
kàkàlà	debauched, dissipated person	.51	-.07	-.10	-.12	-.23	.03	-.14	-.14	-.33	-.28

mecenɲe fóó	person with good name, good reputation	-.51	-.15	.19	.01	.31	.14	.21	.40	.22	.26
u na j	commits adultery	.49	-.08	-.23	-.09	-.05	-.22	-.28	-.15	-.32	-.39
u mɛ̀g'ã pen	bad reputation (name is bad-tasting)	.47	.17	-.24	.07	-.22	-.08	.01	-.06	-.02	-.19
u mɛ̀g'a tààn	good reputation (name is sweet)	-.46	-.17	.36	.07	.12	.08	-.11	.32	.25	.23
sahacènàṅkààwà	thief who knows place he robs	.46	.01	-.02	.28	.09	-.30	.01	-.18	.04	-.20
kááré	generous	-.46	-.36	.17	.00	.23	.22	.14	.46	.21	-.02
kakuumpyi	evildoer	.45	.20	-.09	.01	-.33	-.17	-.36	-.19	.00	-.27
supyitahantórógó kí	is vagabond	.43	.00	-.11	.21	-.06	-.31	-.22	.01	.04	-.41
pèènè	fatness, obesity, honor, respect	-.43	-.32	.05	-.04	.42	.29	.02	.19	.25	.19
sèè shín	real person	-.42	-.21	.09	-.25	.23	.19	.13	.21	.12	.33
u kyaa sànràm'a tààn	fed up easily; quickly tired of doing anything he/she undertakes)	.42	.03	-.05	.10	-.24	-.07	-.12	-.18	-.17	-.27
u òùnk'ã pi.	gentle (head is soft)	-.41	-.29	.14	.16	.16	-.02	.15	.32	.25	.36
u jàṅ'a tèn	calm, unflappable (courage or shadow is sitting)	-.41	-.05	.31	.01	.13	.09	.23	.32	.24	.12
tíí	correct, right, straight; simple; not complex	-.40	-.33	.22	-.08	.18	.35	-.05	.30	.12	.17
zòṅkanṅyagafóó	glutton	.39	.14	-.02	.29	-.11	-.12	-.08	-.33	-.25	-.17
tanha	severe, sour	.37	.36	-.21	-.20	-.33	.08	.06	-.34	-.12	-.23
kapyimpyi	worker, doer	-.28	.04	.16	-.06	.17	.26	.18	.05	.05	.26
ṅwɔwagafóó	person always insisting they are right	.12	.63	-.16	.01	-.01	.11	.14	-.07	-.14	-.06
ṅwɔwarafóó	person always insisting they are right	.13	.62	-.12	.05	-.03	.07	.12	-.16	-.20	-.12
jíjṅgaga fóó	stubborn, disobedient person	.27	.53	-.05	.09	-.02	.00	.09	-.10	-.28	-.31
u òyìì'ã waha.	stubborn, rash (eye is hard)	.12	.50	-.14	.04	.03	.01	.12	-.11	-.27	-.45
tufeeme	cleanliness	-.24	-.49	.14	.12	.15	.26	.17	.11	.15	.19
u lù'ù'ã pen	bad-tempered (gallblad is bad-tasting)	.42	.49	-.14	.13	-.15	.10	.05	-.41	-.18	-.26

u nwɔ̄g'a waha	gets angry if contradicted (mouth is hard); insists he/she is right	.11	.48	-.16	.23	-.02	.14	.14	-.23	-.43	-.21
ɲwɔ	good, beautiful, handsome	-.22	-.44	.14	-.15	.06	.20	.10	.05	.09	.37
sùpyigire	goodness, humaneness, love	-.29	-.44	.09	-.14	.38	.31	.08	.38	.42	.17
lùù fòò	person easily angered	.14	.43	-.17	-.04	.18	.24	.17	-.20	-.27	-.11
ɲùɲgaga fóó	bold, rash, brave, foolhardy person	-.07	.42	.09	-.04	.06	.08	.08	.27	-.05	.03
lùpèèn	choleric; anger	.15	.40	-.19	.02	-.18	.24	.07	-.36	-.15	-.37
u ɲùɲk'ã waha	bold, courageous, foolhardy (head is hard)	.01	.37	.15	.08	-.01	.05	.02	.10	-.30	.02
u ɲùɲk'a kwù.	slow at work, emotionless (head is dead)	-.12	-.25	-.04	.22	-.02	-.15	.21	-.04	.23	.06
ɲááɲá	severe, red, warm-colored	.00	-.23	.12	.11	.11	.06	.01	.11	.01	-.09
u à taferege ta	happiness, well-being (has got a happy part)	-.21	-.09	.67	-.05	-.03	.12	.03	.14	.21	.10
yyeɲiɲe ɲye u à.	has carefreeness, freedom f. anxiety, peace, well-being	-.20	.00	.63	-.20	.10	.21	-.01	.18	.02	.21
cyere ɲime ɲye u à.	has peace, well-being	-.19	-.12	.61	-.21	.12	.19	-.17	.13	.24	.23
kanhara	fatigue, tiredness	.11	-.10	-.61	.02	-.11	.02	.04	-.03	-.02	-.13
nàvùnɲò	disappointment	-.03	-.09	-.59	.15	-.25	-.11	-.09	-.24	-.09	.07
u yyãh'a ɲiɲè	at peace, free from care (face is cool)	-.20	-.20	.58	-.07	-.10	-.03	.07	.17	.10	.16
làhàvyâ	free, having leisure time	-.17	-.08	.57	-.17	.13	.11	.01	.13	.01	.20
féré	happy, content	-.13	-.09	.57	-.13	.05	.09	.14	.20	.22	-.07
yyefwugo	trouble, worry	.00	.11	-.56	.13	-.21	.00	-.25	-.05	-.21	-.13
kyaaga	suffering	-.05	-.02	-.53	.37	-.29	-.29	-.22	-.12	-.20	-.10
u a ɲùɲjirinè ta	well-being, health, wealth (head raising)	-.24	-.11	.52	-.05	.08	.13	-.10	.21	.11	.13
u funɲgwɔ̄r'ã ɲyaha	forgetful (his stomach blackness is a lot)	.33	.20	-.49	-.01	-.11	-.34	.12	-.33	-.17	-.24

nínjé	calm, slow, cool	.06	-.05	-.49	.33	-.26	-.20	.06	-.13	-.23	.11
funmpenre fòdò	worried anxious person	.27	.14	-.48	.23	-.20	-.21	-.05	-.27	-.11	.01
u a nùzògòrò ta	shame, cause for shame (head bending, bowing)	.17	.04	-.48	.03	-.12	-.23	.01	-.17	-.08	-.34
kayàn'a ù tà	in pain (pain has gotten h.)	-.09	.07	-.45	.19	.08	.07	.09	-.27	.07	-.30
pwɔrɔ	the best	-.26	-.16	.44	-.06	.04	.28	-.02	.08	.10	.13
u cyēg'a cwònrò	is busy (hand is stuck)	.03	.08	-.44	.06	-.05	-.17	.01	.07	-.10	.02
cwónrò	embarrassed, hardpressed	-.10	-.05	-.43	.32	-.22	-.07	-.19	-.15	-.06	-.01
u fūnṅk'a pen	sad (belly is bad-tasting)	.10	.06	-.42	.38	-.09	-.11	.17	-.36	-.12	.06
kùṅkwû	responsibility	.04	-.03	-.35	.11	-.13	.17	.10	-.27	-.18	.04
kàlambààrà	ignorance, lack of learning	-.02	-.10	-.34	.00	-.27	.01	.09	-.24	-.12	-.06
pyii fòó	active person (has children)	-.02	.08	.34	-.20	-.14	.19	.07	.09	.22	.16
yyaha yyèrè shín	important successful person	-.22	.16	.34	-.23	.01	-.04	.09	.24	.14	.31
u fūnṅk'a nìṅè	happy, content, satisfied (interior is cool)	-.13	-.14	.31	.01	-.15	-.20	.15	-.02	.26	.00
ṁpworo	clowning, buffoonery	-.01	-.11	-.30	.23	-.15	-.08	.12	-.09	-.20	-.05
nitìcùùwò	healthy, strong, resistant	-.22	.10	.23	-.57	.19	.05	.00	-.13	.12	.08
cuuṅɔ	healthy, resistant, strong	-.02	-.19	.17	-.54	-.12	.15	-.04	-.06	.10	.10
u fūnṅk'a cùgò.	discreet, secretive [closed to others] (belly is deep)	.00	.09	-.03	.50	-.07	.06	.14	-.10	-.02	-.07
shintícuúwó	healthy, strong person	-.04	.12	.27	-.50	-.03	.05	.00	-.01	.13	.13
saanra	comfort, well-being, luxury [living beyond one's means]	-.16	-.06	.22	.37	-.09	.12	.19	-.05	.22	-.08
péè	big, fat, honor, respect	.07	-.11	.14	-.37	-.06	-.07	.06	.04	.03	-.01
u jàṅ'a yìrì	confused, flustered, frightened, stunned	.29	-.04	-.10	.34	-.09	-.07	-.19	-.29	.03	.05
yyeyjere	lack of respect, under-estimating importance of others	.44	.06	-.18	-.01	-.57	-.15	-.05	-.17	-.15	-.25

nyip̄een	envy	.35	.20	-.08	-.11	-.51	-.17	-.22	-.35	-.14	-.25
yàmp̄èèè	boasting	.22	.04	-.09	-.12	-.46	-.26	.05	-.15	-.12	-.22
pi	bad, dangerous	.25	.21	-.19	-.13	-.45	-.22	-.27	-.21	.05	-.26
nùnaarà	pity; compassion (stronger than numpinge)	-.32	-.27	.06	-.18	.43	.17	.18	.25	.35	.01
ḡumpiḡe f̄óó	compassionate person	-.34	-.13	.06	-.11	.40	-.01	.06	.23	.30	.40
naar̄aḡarawa	wanderer	.08	.10	.02	.01	.40	.03	.03	-.06	-.16	-.12
yák̄ilì f̄óó	wise person	-.36	-.02	.10	-.13	.39	.20	-.09	.26	-.01	.28
kat̄anrà f̄òò	joker, laughter person	-.22	-.03	-.01	-.10	.37	.01	.17	.15	-.11	.06
fyáhà	quiet, say nothing	-.18	-.24	.08	.03	-.31	-.11	.19	.02	.21	-.04
f̄anhà f̄òò	authority, person with power	-.13	-.11	.19	-.16	.30	-.29	-.20	.05	.11	.19
tara	firm, tight, diligent, responsible	-.34	-.21	.16	-.18	.14	.58	.12	.27	.20	.11
supyic̄oḡoc̄oḡdr̄ó lí	is thoughtless, scatterbrained	.39	.10	-.15	.05	-.34	-.57	-.07	-.07	.00	-.35
f̄ábá	lazy, indolent, weak	.15	-.15	-.29	-.08	-.06	-.52	-.33	-.16	.01	-.24
pwugo	stupid, incompetent	.32	.02	-.18	-.02	-.37	-.51	-.06	-.17	-.15	-.23
c̄óróḡó	giddy, thoughtless, heedless	.16	.08	-.10	-.04	-.38	-.47	-.30	-.24	-.09	-.33
shinfabaga ki	is lazy, indolent, weakling	.45	-.06	-.15	.40	-.08	-.46	-.29	-.11	-.02	-.21
màbàn	courage, diligence, industry	-.34	-.29	.07	-.13	.30	.46	.00	.15	.10	-.01
kayama f̄òò	lazy person	.24	-.05	-.10	.42	.07	-.44	-.14	-.21	.07	-.16
s̄ìnc̄òḡè ki	is stupid, imbecile, idiot	.26	.03	-.13	.04	-.31	-.43	-.20	-.03	-.08	-.19
s̄ìncyiimè	craftiness, cleverness, intelligence, trickery	-.19	-.09	.36	-.12	.33	.43	.03	.31	.07	.19
cyíḡè	clever, smart, aware	-.12	-.12	.27	-.11	.13	.43	-.06	.34	.10	.15
yyāh'a ww̄ò ù nà	stunned (from having been hit); crazy, has acted badly	.16	-.19	-.30	.29	-.34	-.42	.07	-.04	-.08	-.18
shiile	strong, tough	-.26	-.18	.17	-.09	.01	.42	.14	.09	.30	.24

kayama fòò	lazy person	.20	-.14	-.08	.29	.14	-.41	-.12	-.30	.31	-.15
zòmpyìwàà	faithfulness; steadfastness	-.14	.23	.05	.06	.11	.41	-.06	.04	-.05	-.06
nìrìmè	energy in an undertaking; hard work	-.14	-.17	.23	-.25	-.10	.38	.02	.20	.17	.26
cyegenè	athletic	-.28	-.03	.19	-.01	.21	.37	.09	.22	.03	-.06
waraga	cheerful, lively	-.06	-.12	.18	-.06	.32	.35	.30	.19	-.33	-.09
sànsǎn	clumsy, be; move clumsily	.23	.01	-.21	.01	-.12	-.33	-.15	-.21	-.09	-.11
wyere	rapid, in a hurry, fast, quick	-.24	-.22	.09	-.03	.28	.32	.24	.30	-.19	.00
fànHàfèmbwòhè kì	is important person	-.07	-.19	.14	.04	.17	-.31	-.31	.09	-.01	.06
nàᅅkòcyere	childishness, childhood, quality of being a child	.15	-.17	-.23	.05	-.03	-.30	.08	-.08	.11	-.14
fànHà	strength, power	-.20	-.04	.26	-.13	.13	.28	.21	.24	.12	-.07
funmpege fòò	stingy person	.25	.02	-.16	-.03	-.18	-.27	-.04	-.18	.10	-.21
nùmbwùkèègèlè fòó	crazy; insane; mentally ill	.20	-.10	-.04	.07	-.17	-.16	-.72	-.07	-.02	.09
sìcyere fòó	insane person	.00	-.17	.01	.02	.10	.10	-.66	.11	.27	-.06
kèege	spoiled, ruined, gone bad	.30	.13	-.18	-.05	-.38	-.30	-.40	-.19	-.01	-.21
ᅅwóhó	dirty	.10	.05	-.17	-.05	-.06	-.28	-.39	-.21	.00	-.26
nàᅅkààwà	thief, robber	.28	-.06	-.11	.01	-.10	-.33	-.39	-.16	-.07	-.12
báárápyimbaawa	shiftless person	.24	-.06	-.04	.18	-.02	-.01	-.39	-.15	.18	-.20
funmbwòhò fòò	jealous person	-.07	.30	.17	.04	-.02	.00	.33	-.02	-.14	.11
u na wùrùgè	is mistaken, wrong, has acted wrongly, trick	.24	.14	-.28	-.02	-.21	-.04	.29	-.26	-.13	-.25
u na sígèní	is suspicious	-.01	.05	-.13	.15	.02	-.03	.28	-.03	.05	-.07
yìncyege fòò	jealous person	.17	.21	-.05	.12	-.19	-.19	-.09	-.56	-.18	-.32
u yyàh'ā tanha.	worried, sad (face is sour)	.05	.23	-.07	.06	-.16	.13	-.06	-.55	-.03	-.05
u fūnᅅk'ā tààn	happy, contented (belly is sweet)	-.39	-.16	.27	-.02	.14	.14	.07	.53	.30	.27
yákìlitàngàfòò	intelligent person	-.31	.01	.28	-.12	.33	.25	-.03	.51	.17	.23

ṅwóméé ṅṅkin fṳ́ó	person who doesnt contradict self (lit. owner of one sole promise)	-.42	-.19	.09	-.14	.26	.02	.02	.49	.30	.31
funtàngà fṳ́ò	generous person	-.31	-.08	.23	-.18	.22	.12	.14	.48	.39	.19
funv̀ỳngèfṳ́ò	frank, open, honest person	-.41	-.21	.13	-.05	.19	.20	.02	.48	.27	.43
u lù̀n'a tà̀n	good-natured, patient (gb is sweet)	-.35	-.33	.16	.07	.16	.11	.04	.45	.41	.27
ṅyitṳ́onlṳ́ fṳ́ò	greedy, dissatisfied person	.28	.35	-.10	.18	.00	-.07	.29	-.45	-.05	-.34
cènmèfṳ́ò	good person	-.43	-.20	.20	.04	.31	.22	.04	.45	.22	.33
u ṅ̀ṅk'a wyè̀rè.	quick, bold, sharp (head is hot)	-.11	.24	.15	.04	.15	.13	.13	.42	-.31	-.03
fyagara fṳ́ó	fearful person	.02	-.23	-.17	-.08	.17	-.32	.14	-.41	.05	-.03
kafiniviniwe	liar	.41	.19	-.14	.18	-.16	-.19	-.26	-.41	.02	-.37
ṅyicwuufṳ́ó	clear-sighted person	.23	.37	-.03	.10	-.22	-.02	.06	-.41	-.06	-.37
u jà̀ṅ'a tà̀rà	s/he is brave	-.24	.06	.34	.09	.09	.19	.06	.37	.28	.15
ṅíṅé	calm, slow, cool	.02	-.11	.00	-.05	-.04	-.10	.01	-.36	.10	.01
u yyā̀h'a tà̀n.	happy, joyful (face is sweet)	-.26	-.26	.18	.12	.32	.13	-.01	.36	.21	.30
kacyinzun	fetish worshipper-priest	.13	.06	-.10	.22	-.01	-.06	-.01	-.35	-.07	-.10
yílégè	small, curious	.12	.30	-.18	.17	-.23	-.11	-.01	-.31	-.14	-.27
u fū̀ṅk'a wyè̀rè	in a hurry (belly is hot)	.03	.08	-.11	-.02	.12	-.02	.08	.00	-.69	-.09
u yyā̀h'a wyè̀rè	troubled, worried (face is hot)	.11	.23	-.17	.21	.04	-.03	.05	.00	-.57	-.15
u ṅjīg'ā waha	stubborn, disobedient, wont listen to advice (ear is hard)	.23	.40	-.16	.28	-.08	-.02	.13	-.23	-.45	-.26
u jà̀ṅ'a tà̀rà	s/he is brave	-.14	.03	.24	.04	.19	.34	.12	.23	.43	.05
funvwugo fṳ́ò	person in a hurry, hasty person	.00	.15	-.20	-.12	.17	-.11	.14	-.09	-.36	.03
u tēnm'ā pen	overactive/hyperactive (sitting is difficult)	.28	.26	-.22	-.05	-.13	-.06	.09	-.03	-.34	-.65
sìsù̀rù fṳ́ò	person who makes peace btn. quarreling parties	-.29	-.03	.00	-.14	.16	.02	.23	.30	.22	.51

kajaṅa	winner, person who defeats	-.19	.03	.16	-.18	.12	.32	.19	.24	-.06	.48
zòncènnè	good heart, honesty, frankness	-.39	-.32	.02	-.17	.23	.28	-.02	.40	.32	.45
kile sùpyà	good, hospitable person	-.39	-.31	.06	-.16	.23	.06	-.06	.02	.12	.44
fíníjé	white, lightcolored, clean	-.28	-.29	.01	-.10	.19	.23	.01	.22	.04	.43
tìcènmè pyifoo	person with favor, grace, goodness	-.39	-.12	.25	-.19	.24	.18	.24	.34	.26	.41
kyán	bad, rebel, refuse to get along	.31	.34	-.27	.04	-.39	-.15	.09	-.34	-.30	-.40
cènmèfòò	good person	-.31	-.25	.11	-.07	.25	.22	.12	.17	.10	.39
silege shín	respectful, polite person who deserves respect	-.18	-.04	.11	-.06	.07	.04	-.26	.14	.17	.36
lùyìrìlì	anger, choler	.12	.28	-.23	-.13	-.28	.09	.17	-.26	-.18	-.34
túmúfóó	Christian	-.06	-.01	.14	-.23	.14	-.08	-.27	.02	-.13	.34
bárágá shín	person with power	-.26	.08	.15	-.12	.21	.10	.11	.30	.19	.31



Table S6

Correlations between Suppire-Senufo Factors and etic marker scales in raw data, less-admired targets only (N=107)

	B2S	B2D	PC3A	PC3D	PC3O	B5C	B5A	B5ES	B5E	B5I	B6C	B6H	B6A	B6ES	B6E	B6O
F1 of 2	<b><u>-.56</u></b>	-.04														
F2 of 2	<b>.74</b>	<b><u>.79</u></b>														
F1 of 3			-.47	-.08	<u>-.12</u>											
F2 of 3			<b><u>.81</u></b>	<b>.52</b>	<b>.60</b>											
F3 of 3			.05	<u>-.36</u>	-.11											
F1 of 5						<b><u>-.82</u></b>	-.17	<b>-.52</b>	.04	-.05						
F2 of 5						.37	<b><u>.76</u></b>	.16	.38	<b>.60</b>						
F3 of 5						-.11	-.10	-.48	<u>.54</u>	.14						
F4 of 5						-.08	-.42	<u>-.34</u>	-.23	-.33						
F5 of 5						-.11	.01	-.22	-.40	<u>-.07</u>						
F1 of 6											.18	.33	<b>.75</b>	.46	.03	<b><u>.71</u></b>
F2 of 6											<b>-.75</b>	<b><u>-.63</u></b>	-.26	-.15	-.15	-.05
F3 of 6											-.32	<b>-.61</b>	<u>-.42</u>	.11	.20	.07
F4 of 6											-.15	-.03	-.21	<b><u>-.61</u></b>	-.16	-.35
F5 of 6											-.06	-.06	.18	-.08	<u>-.47</u>	-.02
F6 of 6											<u>.22</u>	-.11	-.01	.24	.00	-.05

*Note.* Varimax rotation, “psychological broad” variable selection (164 terms). F = Factor, B2S = Big Two social self-regulation, B2D = Big Two dynamism, PC3A= Pan-Cultural Three affiliation, PC3D = Pan-Cultural Three dynamism, PC3O = Pan-Cultural Three order, B5C = Big Five conscientiousness, B5A = Big Five agreeableness, B5ES = Big Five emotional stability, B5E = Big Five extraversion, B5I = Big Five intellect, B6C = Big Six conscientiousness, B6H = Big Six honesty, humility, propriety, B6A = Big Six agreeableness, B6ES = Big Six emotionality vs. resiliency, B6E = Big Six extraversion, B6O = Big Six openness or originality. Correlations  $\geq .50$  in magnitude are bolded for emphasis. The best match correlations (relying on a joint PCA of the scales and factor scores) are underlined. The average best match correlations by model: Big Two, .68; Pan-Cultural Three, .43; Big Five, .51; Big Six, .51.

Table S7

Correlations between Supyire-Senufo Factors and etic marker scales, all targets (N=211) ipsatized data and raw data (*in italics*)

	B2S	B2D	PC3A	PC3D	PC3O	B5C	B5A	B5ES	B5E	B5I	B6C	B6H	B6A	B6E S	B6 E	B6 O
F1 of 2	<b><i>-.57</i></b>	<b><i>-.73</i></b>														
	<i>-.49</i>	<i>-.05</i>														
F2 of 2	<b><i>-.74</i></b>	<i>-.03</i>														
	<i>.78</i>	<b><i>.81</i></b>														
F1 of 3			<b><i>-.79</i></b>	<i>-.40</i>	<b><i>-.52</i></b>											
			<i>-.45</i>	<i>-.07</i>	<b><i>-.12</i></b>											
F2 of 3			<i>-.14</i>	<b><i>-.39</i></b>	<i>-.15</i>											
			<b><i>.82</i></b>	<b><i>.55</i></b>	<b><i>.57</i></b>											
F3 of 3			<i>-.43</i>	<i>.20</i>	<b><i>.16</i></b>											
			<i>.16</i>	<b><i>-.37</i></b>	<i>-.13</i>											
F1 of 5						<b><i>-.65</i></b>	<b><i>-.51</i></b>	<i>-.40</i>	<i>.00</i>	<i>-.22</i>						
						<b><i>-.74</i></b>	<i>-.18</i>	<i>-.48</i>	<i>.06</i>	<i>.03</i>						
F2 of 5						<i>-.17</i>	<b><i>-.58</i></b>	<i>-.40</i>	<i>-.28</i>	<i>-.32</i>						
						<i>.38</i>	<b><i>.74</i></b>	<i>.18</i>	<i>.35</i>	<i>.57</i>						
F3 of 5						<i>.09</i>	<i>-.32</i>	<b><i>-.38</i></b>	<i>.22</i>	<i>-.15</i>						
						<i>.03</i>	<i>-.15</i>	<i>-.36</i>	<b><i>.62</i></b>	<i>.17</i>						
F4 of 5						<i>.31</i>	<i>.01</i>	<i>.24</i>	<b><i>.53</i></b>	<i>.33</i>						
						<i>-.24</i>	<i>-.38</i>	<b><i>-.45</i></b>	<i>-.27</i>	<i>-.26</i>						
F5 of 5						<i>-.46</i>	<i>-.01</i>	<i>-.15</i>	<i>-.18</i>	<b><i>-.03</i></b>						
						<i>-.23</i>	<i>.12</i>	<i>-.28</i>	<i>-.08</i>	<b><i>-.08</i></b>						
F1 of 6											<i>-.43</i>	<b><i>-.65</i></b>	<b><i>-.60</i></b>	<i>-.07</i>	<i>.06</i>	<i>-.21</i>
											<b><i>-.68</i></b>	<b><i>-.74</i></b>	<i>-.33</i>	<i>-.06</i>	<i>-.13</i>	<i>-.01</i>
F2 of 6											<i>-.05</i>	<b><i>-.52</i></b>	<b><i>-.53</i></b>	<i>-.12</i>	<i>.03</i>	<i>-.29</i>
											<i>.24</i>	<i>.32</i>	<b><i>.74</i></b>	<b><i>.54</i></b>	<i>.07</i>	<b><i>.70</i></b>
F3 of 6											<i>-.18</i>	<i>-.11</i>	<i>-.34</i>	<b><i>-.61</i></b>	<i>-.05</i>	<i>-.34</i>

F4 of 6	-.26	-.39	<u>-.41</u>	.14	.27	.13
	-.43	-.36	-.12	-.17	-.38	<u>-.43</u>
	-.24	-.12	-.18	<b>-.56</b>	-.25	-.25
F5 of 6	-.13	-.07	-.29	.04	<u>.35</u>	.13
	-.16	-.17	.18	.06	<u>-.39</u>	-.08
F6 of 6	<u>-.44</u>	-.02	-.03	-.45	-.13	-.05
	<u>.30</u>	-.24	-.07	.26	.11	.05

*Note.* Varimax rotation, “psychological broad” variable selection (164 terms). F = Factor, B2S = Big Two social self-regulation, B2D = Big Two dynamism, PC3A= Pan-Cultural Three affiliation, PC3D = Pan-Cultural Three dynamism, PC3O = Pan-Cultural Three order, B5C = Big Five conscientiousness, B5A = Big Five agreeableness, B5ES = Big Five emotional stability , B5E = Big Five extraversion, B5I = Big Five intellect, B6C = Big Six conscientiousness, B6H = Big Six honesty, humility, propriety, B6A = Big Six agreeableness, B6ES = Big Six emotionality vs. resiliency, B6E = Big Six extraversion , B6O = Big Six openness or originality. Correlations  $\geq .50$  in magnitude are bolded for emphasis. The best match correlations (relying on a joint PCA of the scales and factor scores) are underlined. The average best match correlations by model, ipsatized data: Big Two, .74; Pan-Cultural Three, .45; Big Five, .43; Big Six, .50. The average best match correlations by model, raw data: Big Two, .65; Pan-Cultural Three, .44; Big Five, .53; Big Six, .52.

Table S8

Congruence Coefficients (Tucker's-Phi) after Target Rotation of Correlations between Marker

Scales for Etic models and Emic Factors

Etic Model							Average
<b>Maasai</b>							
Big Two	.78	.85					.81
Pan-Cultural Three	.72	.67	.59				.66
Big Five	.71	.71	.63	.71	.62		.67
Big Six	.40	.59	.67	.60	.70	.57	.59
<b>Supyire-Senufo</b>							
Big Two	.89	.92					.91
Pan-Cultural Three	.96	.73	.86				.85
Big Five	.71	.71	.63	.71	.62		.67
Big Six	.78	.92	.67	.86	.87	.75	.81

*Note.* A procrustes rotation protocol in R package 'paramap' (O'Connor, 2018) was used to compare the Pearson correlations reported in Tables 3 and 6 to the target models (a matrix of 0s with 1, or -1 to identify the underlined correlation).

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