

Participant ID	Trial type		
	Deoxygenated	Oxygenated	Cross-Cultural
	$F_{29,1410}=1.069$ ; $p=0.367$	$F_{29,1410}=1.418$ ; $p=0.070$	$F_{37,1748}=3.256$ ; $p<0.001$
<b>L*</b>	$F_{1,1410}=0.110$ ; $p=0.740$	$F_{1,1410}=0.148$ ; $p=0.700$	$F_{1,1748}=19.527$ ; $p<0.001$
<b>a*</b>	$F_{1,1410}=279.782$ ; $p<0.001$	$F_{1,1410}=237.100$ ; $p<0.001$	$F_{1,1748}=187.272$ ; $p<0.001$
<b>b*</b>	$F_{1,1410}=34.400$ ; $p<0.001$	$F_{1,1410}=2.416$ ; $p=0.120$	$F_{1,1748}=0.682$ ; $p=0.409$
<b>ID*L*</b>	$F_{29,1410}=0.895$ ; $p=0.627$	$F_{29,1410}=1.352$ ; $p=0.101$	$F_{37,1748}=4.387$ ; $p<0.001$
<b>ID*a*</b>	$F_{29,1410}=1.579$ ; $p=0.026$	$F_{29,1410}=2.057$ ; $p=0.001$	$F_{37,1748}=2.211$ ; $p<0.001$
<b>ID*b*</b>	$F_{29,1410}=0.970$ ; $p=0.511$	$F_{29,1410}=0.780$ ; $p=0.793$	$F_{37,1748}=1.636$ ; $p=0.010$

**Table S3. Effects of participant ID and initial face colour on colour change applied to optimise healthy appearance.**