Table 1. Definitions of 26 facial temperature variables (Unit: °C)

Names	Names in papers [2, 3]	Regions of interest	Value calculation
Max1R13_*	T_{CRmax}	A circle with diameter of 13 pixels from the right canthus point to the face centerline	Maximum temperature within the circle
Max1L13_*	T_{CLmax}	A circle with diameter of 13 pixels from the left canthus point to the face centerline	Maximum temperature within the circle
aveAllR13_*	$\overline{T}_{CR}$	A circle with diameter of 13 pixels from the right canthus point to the face centerline	Average temperature within the whole circle
aveAllL13_*	$\overline{T}_{CL}$	A circle with diameter of 13 pixels from the left canthus point to the face centerline	Average temperature within the whole circle
T_RC*		A square of 24x24 pixels around the right canthus, with 2/3 toward the face center (dry area, 16x24 pixels) and 1/3 away from the face center (wet area, 8x24 pixels).	Average temperature of the highest four pixels.
T_RC_Dry*		The right canthus dry area, a rectangle of 16x24 pixels.	Average temperature of the highest four pixels.
T_RC_Wet*		The right canthus wet area, a rectangle of 8x24 pixels.	Average temperature of the highest four pixels.
T_RC_Max*		A square of 24x24 pixels around the right canthus, with 2/3 toward the face center (dry area, 16x24 pixels) and 1/3 away from the face center (wet area, 8x24 pixels).	Maximum temperature within the square.
T_LC*		A square of 24x24 pixels around the left canthus, with 2/3 toward the face center (dry area, 16x24 pixels) and 1/3 away from the face center (wet area, 8x24 pixels).	Average temperature of the highest four pixels.
T_LC_Dry*		The left canthus dry area, a rectangle of 16x24 pixels.	Average temperature of the highest four pixels.
T_LC_Wet*		The left canthus wet area, a rectangle of 16x24 pixels.	Average temperature of the highest four pixels.
T_LC_Max*		A square of 24x24 pixels around the left canthus, with 2/3 toward the face center (dry area, 16x24 pixels) and 1/3 away from the face center (wet area, 8x24 pixels).	Maximum temperature within the square.
RCC*		A square of 3x3 pixels centered at the right canthus point.	Average temperature within the square.
LCC*		A square of 3x3 pixels centered at the left canthus point.	Average temperature within the square.
canthiMax*	T_{CEmax}	Extended canthi area, see definition in our papers [1,2].	Maximum temperature within the extended canthus area.
canthi4Max*		Extended canthi area, see definition in our papers [1,2].	Average temperature of the highest four pixels within the extended canthus area.
T_FHCC*	T_{FC}	Center point of forehead, a square of 3x3 pixels.	Average temperature within the square.
T_FHRC*	T_{FR}	Right point of the forehead, a square of 3x3 pixels.	Average temperature within the square.
T_FHLC*	T_{FL}	Left point of the forehead, , a square of 3x3 pixels.	Average temperature within the square.
T_FHBC*	T_{FB}	Bottom point of the forehead, a square of 3x3 pixels.	Average temperature within the square.
T_FHTC*	T_{FT}	Top point of the forehead, , a square of 3x3 pixels.	Average temperature within the square.
T_FH_Max*	T_{FEmax}	Extended forehead area, see definition in our papers [1,2].	Maximum temperature within the extended forehead area.
T_FHC_Max*	T_{FCmax}	Center point of forehead, a square of 3x3 pixels.	Maximum temperature within the square.
T_Max*	T_{max}	Whole face region, see definition in our papers [1,2].	Maximum temperature within the whole face region.
T_OR*		Oral/mouth Region, see definition in our papers [1,2].	Average temperature of the highest four pixels within the mouth region.
T_OR_Max*		Oral/mouth Region, see definition in our papers [1,2].	Maximum temperature within the mouth region.
Note: * takes the values of 1, 2, 3 and 4 for data from the first, second, third and fourth rounds of images			