

SUPPLEMENTAL TABLE S1. Mean Probability of Responding “Anger” as a Function of Different Emotional Blends and Group Membership

	Total		BPD		PTSD-		CC		NP	
	(n = 62)		(n = 20)		(n = 42)		(n = 30)		(n = 44)	
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)
Anger to happiness										
70-30%	.96	(.13)	.98	(.08)	.95	(.15)	.89	(.14)	.97	(.10)
60-40%	.90	(.17)	.91	(.15)	.90	(.18)	.78	(.21)	.85	(.20)
50-50%	.57	(.29)	.49	(.29)	.61	(.29)	.44	(.29)	.56	(.28)
40-60%	.24	(.23)	.21	(.20)	.26	(.24)	.21	(.24)	.21	(.22)
30-70%	.10	(.16)	.10	(.17)	.10	(.16)	.08	(.17)	.09	(.16)
Anger to sadness										
70-30%	.79	(.19)	.79	(.15)	.79	(.20)	.70	(.30)	.73	(.20)
60-40%	.64	(.24)	.60	(.24)	.65	(.25)	.56	(.24)	.60	(.23)
50-50%	.48	(.24)	.49	(.25)	.47	(.24)	.46	(.19)	.51	(.23)
40-60%	.36	(.21)	.38	(.22)	.35	(.20)	.36	(.21)	.38	(.27)
30-70%	.28	(.22)	.23	(.20)	.30	(.22)	.30	(.22)	.28	(.24)
Anger to fear										
70-30%	.89	(.16)	.85	(.22)	.91	(.12)	.85	(.20)	.89	(.17)
60-40%	.74	(.26)	.75	(.28)	.73	(.25)	.72	(.24)	.76	(.20)
50-50%	.49	(.26)	.51	(.26)	.48	(.26)	.43	(.25)	.48	(.23)
40-60%	.23	(.21)	.21	(.23)	.23	(.20)	.31	(.30)	.24	(.18)
30-70%	.12	(.15)	.10	(.15)	.13	(.15)	.15	(.18)	.13	(.18)

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLE S2. Mean Probability of Responding “Fear” and “Happiness” as a Function of Different Emotional Blends and Group Membership

	Total		BPD		PTSD-		CC		NP	
	(n = 62)		(n = 20)		(n = 42)		(n = 30)		(n = 44)	
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)
Fear to happiness										
70-30%	.93	(.12)	.91	(.15)	.94	(.11)	.98	(.08)	.93	(.15)
60-40%	.79	(.23)	.79	(.23)	.80	(.23)	.81	(.18)	.78	(.24)
50-50%	.53	(.26)	.54	(.27)	.52	(.26)	.50	(.25)	.56	(.23)
40-60%	.29	(.26)	.30	(.26)	.28	(.25)	.25	(.27)	.24	(.20)
30-70%	.13	(.17)	.15	(.21)	.13	(.16)	.17	(.21)	.15	(.15)
Fear to sadness										
70-30%	.67	(.22)	.71	(.20)	.66	(.22)	.66	(.21)	.66	(.24)
60-40%	.58	(.20)	.60	(.19)	.57	(.21)	.60	(.20)	.57	(.21)
50-50%	.50	(.26)	.46	(.27)	.52	(.25)	.49	(.19)	.49	(.19)
40-60%	.41	(.24)	.46	(.26)	.38	(.22)	.33	(.20)	.39	(.24)
30-70%	.35	(.23)	.38	(.25)	.34	(.23)	.28	(.18)	.31	(.18)
Sadness to happiness										
70-30%	.91	(.16)	.86	(.19)	.93	(.14)	.88	(.23)	.94	(.12)
60-40%	.79	(.26)	.74	(.26)	.82	(.25)	.76	(.26)	.84	(.20)
50-50%	.54	(.33)	.50	(.31)	.57	(.34)	.45	(.27)	.69	(.27)
40-60%	.34	(.29)	.36	(.22)	.32	(.32)	.26	(.27)	.28	(.23)
30-70%	.11	(.19)	.14	(.19)	.10	(.19)	.8	(.14)	.13	(.15)

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLE S3. Mean Reaction Time of Responding “Anger” as a Function of Different Emotional Blends and Group Membership

	BPD										CC		NP	
	Total (<i>n</i> = 62)		PTSD+ (<i>n</i> = 20)		PTSD- (<i>n</i> = 42)		(n = 30)		(n = 44)		M	(SD)	M	(SD)
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)				
Anger to happiness														
70–30%	1334.14	(518.93)	1173.20	(402.30)	1410.73	(554.10)	1571.79	(1263.84)	1524.33	(531.38)				
60–40%	1644.16	(880.82)	1552.11	(738.62)	1687.99	(946.25)	1991.88	(1696.11)	1842.13	(1090.05)				
50–50%	2072.75	(1029.02)	1854.25	(950.60)	2176.79	(1059.38)	2156.80	(1293.76)	2119.74	(1010.38)				
40–60%	1803.56	(1042.53)	1527.96	(647.47)	1934.79	(1169.65)	1935.74	(1827.33)	1942.38	(1034.80)				
30–70%	1426.78	(705.94)	1380.45	(1000.63)	1448.85	(525.26)	1460.03	(656.66)	1499.19	(772.09)				
Anger to sadness														
70–30%	1620.36	(832.51)	1409.03	(485.13)	1720.99	(943.37)	1742.07	(826.97)	1670.57	(720.66)				
60–40%	1688.29	(670.29)	1672.59	(568.85)	1695.76	(719.94)	1873.83	(1228.25)	1829.60	(789.63)				
50–50%	1925.16	(1010.36)	1947.41	(1332.17)	1914.57	(834.28)	1929.98	(964.64)	1912.75	(848.21)				
40–60%	1979.32	(912.26)	1777.19	(539.35)	2075.58	(1036.31)	2135.90	(1353.22)	2037.91	(958.78)				
30–70%	1939.45	(782.94)	1787.14	(729.87)	2011.98	(805.27)	2244.57	(1397.70)	1896.42	(673.05)				
Anger to fear														
70–30%	1644.80	(652.10)	1667.60	(710.32)	1633.94	(631.24)	1639.03	(670.43)	1987.34	(1017.76)				
60–40%	1838.36	(818.79)	1682.61	(619.85)	1912.52	(895.51)	1929.26	(861.72)	2135.93	(989.92)				
50–50%	2041.93	(864.88)	1909.53	(810.22)	2104.98	(892.22)	2229.10	(1425.72)	2525.23	(1249.41)				
40–60%	1838.20	(694.49)	1834.00	(802.88)	1840.20	(647.20)	2112.65	(968.87)	2276.81	(1125.21)				
30–70%	1857.25	(1308.42)	1817.70	(786.41)	1876.08	(1503.11)	1913.29	(934.64)	1881.53	(883.29)				

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLE S4. Mean Reaction Time of Responding “Fear” and “Happiness” as a Function of Different Emotional Blends and Group Membership

	BPD										CC		NP	
	Total (<i>n</i> = 62)		PTSD+ (<i>n</i> = 20)		PTSD- (<i>n</i> = 42)		(n = 30)		(n = 44)		M	(SD)	M	(SD)
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)				
Fear to happiness														
70–30%	1672.29	(879.17)	1403.76	(448.55)	1800.17	(1002.41)	1577.53	(474.20)	1613.87	(628.26)				
60–40%	1921.18	(1120.91)	1650.41	(525.08)	2050.12	(1299.52)	1852.22	(912.62)	1805.45	(568.76)				
50–50%	1883.63	(1165.91)	1520.28	(570.00)	2056.66	(1332.96)	2173.72	(1225.17)	2199.82	(896.99)				
40–60%	1586.81	(739.60)	1567.45	(841.45)	1596.03	(696.75)	1838.03	(1139.52)	1885.47	(936.58)				
30–70%	1605.90	(1738.08)	1175.30	(469.76)	1810.95	(2063.68)	1580.55	(1914.12)	1461.05	(713.49)				
Fear to sadness														
70–30%	1846.23	(822.49)	1587.56	(673.43)	1969.40	(864.95)	1904.91	(953.04)	2144.97	(1075.21)				
60–40%	1879.10	(1082.87)	1650.76	(687.85)	1987.83	(1219.76)	1887.70	(790.49)	2317.03	(1646.86)				
50–50%	1969.22	(988.04)	1691.53	(569.96)	2101.45	(1116.40)	1894.90	(600.41)	1980.53	(730.00)				
40–60%	1974.17	(1403.43)	1636.86	(584.42)	2134.79	(1640.18)	2119.41	(935.63)	2118.60	(1031.27)				
30–70%	1869.71	(750.75)	1837.64	(668.09)	1884.98	(794.34)	2041.35	(979.31)	1927.40	(826.53)				
Sadness to happiness														
70–30%	1661.48	(849.38)	1505.78	(599.76)	1735.63	(942.99)	1842.63	(706.88)	1618.99	(540.64)				
60–40%	1781.21	(787.38)	1630.65	(641.80)	1852.91	(845.69)	1958.12	(803.39)	1989.47	(872.33)				
50–50%	1909.01	(890.84)	1649.41	(503.97)	2032.63	(1007.21)	2282.31	(1349.39)	2218.60	(1027.91)				
40–60%	1830.53	(1040.32)	1634.34	(924.23)	1923.95	(1089.33)	2078.65	(1188.97)	2076.18	(1225.90)				
30–70%	1585.10	(1006.03)	1302.96	(654.27)	1719.45	(1118.08)	1786.58	(1420.55)	1879.51	(1240.46)				

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLE S5. Number of Fixations on Eyes Relative to the Total Number of Fixations

	Total (<i>n</i> = 62)		BPD PTSD+ (<i>n</i> = 20)		PTSD- (<i>n</i> = 42)		CC (<i>n</i> = 30)		NP (<i>n</i> = 44)	
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)
	Anger to happiness									
70–30%	.61	(.29)	.72	(.28)	.55	(.28)	.55	(.31)	.46	(.30)
60–40%	.61	(.26)	.68	(.22)	.57	(.27)	.52	(.30)	.48	(.27)
50–50%	.58	(.26)	.65	(.32)	.55	(.23)	.53	(.27)	.45	(.25)
40–60%	.62	(.26)	.69	(.28)	.59	(.24)	.53	(.28)	.53	(.27)
30–70%	.59	(.28)	.63	(.31)	.58	(.27)	.51	(.28)	.53	(.27)
Anger to sadness										
70–30%	.59	(.30)	.66	(.35)	.56	(.27)	.56	(.28)	.51	(.26)
60–40%	.58	(.29)	.65	(.25)	.55	(.30)	.53	(.28)	.55	(.23)
50–50%	.57	(.28)	.60	(.33)	.56	(.25)	.56	(.27)	.53	(.25)
40–60%	.60	(.27)	.63	(.32)	.58	(.25)	.53	(.26)	.52	(.26)
30–70%	.58	(.28)	.64	(.30)	.55	(.26)	.52	(.26)	.46	(.23)
Anger to fear										
70–30%	.59	(.29)	.65	(.29)	.56	(.29)	.59	(.25)	.52	(.29)
60–40%	.60	(.28)	.68	(.30)	.57	(.27)	.60	(.23)	.50	(.24)
50–50%	.59	(.27)	.65	(.28)	.56	(.26)	.60	(.22)	.49	(.27)
40–60%	.57	(.28)	.66	(.32)	.53	(.25)	.58	(.26)	.52	(.28)
30–70%	.56	(.29)	.63	(.30)	.53	(.29)	.55	(.25)	.53	(.25)
Fear to happiness										
70–30%	.57	(.27)	.66	.26	.52	.26	.52	(.28)	.46	(.26)
60–40%	.57	(.28)	.66	.29	.53	.26	.56	(.24)	.49	(.27)
50–50%	.57	(.27)	.62	.27	.54	.26	.54	(.24)	.51	(.26)
40–60%	.56	(.28)	.64	.27	.53	.29	.52	(.25)	.50	(.31)
30–70%	.58	(.30)	.65	.35	.55	.27	.57	(.28)	.46	(.30)
Fear to sadness										
70–30%	.61	(.26)	.68	(.27)	.69	(.25)	.56	(.29)	.47	(.27)
60–40%	.59	(.26)	.69	(.25)	.55	(.26)	.59	(.28)	.49	(.25)
50–50%	.61	(.26)	.68	(.28)	.58	(.25)	.54	(.30)	.50	(.26)
40–60%	.61	(.27)	.70	(.26)	.57	(.26)	.56	(.30)	.49	(.25)
30–70%	.61	(.25)	.65	(.23)	.59	(.25)	.54	(.27)	.51	(.27)
Sadness to happiness										
70–30%	.59	(.26)	.63	(.30)	.56	(.24)	.48	(.26)	.45	(.28)
60–40%	.57	(.27)	.59	(.28)	.56	(.27)	.51	(.28)	.45	(.27)
50–50%	.56	(.27)	.60	(.25)	.54	(.28)	.48	(.25)	.44	(.26)
40–60%	.61	(.28)	.67	(.26)	.58	(.28)	.52	(.27)	.44	(.30)
30–70%	.57	(.30)	.61	(.31)	.56	(.29)	.54	(.28)	.45	(.29)

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLES 6. Duration of Fixations on Eyes Relative to the Total Duration of Fixations

	Total		BPD				CC		NP	
	(n = 62)		PTSD+		PTSD-		(n = 30)		(n = 44)	
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)
Anger to happiness										
70–30%	.63	(.29)	.74	(.28)	.57	(.28)	.56	(.31)	.49	(.33)
60–40%	.63	(.27)	.71	(.22)	.59	(.29)	.53	(.31)	.51	(.29)
50–50%	.60	(.27)	.67	(.31)	.57	(.24)	.54	(.27)	.48	(.28)
40–60%	.65	(.28)	.73	(.27)	.60	(.27)	.55	(.30)	.55	(.29)
30–70%	.63	(.28)	.67	(.28)	.60	(.28)	.52	(.29)	.57	(.29)
Anger to sadness										
70–30%	.62	(.31)	.69	(.35)	.59	(.29)	.56	(.31)	.54	(.29)
60–40%	.61	(.30)	.70	(.26)	.56	(.31)	.55	(.29)	.58	(.26)
50–50%	.59	(.28)	.62	(.33)	.58	(.26)	.57	(.29)	.54	(.28)
40–60%	.63	(.28)	.66	(.32)	.61	(.27)	.56	(.28)	.57	(.29)
30–70%	.61	(.28)	.68	(.29)	.58	(.27)	.54	(.27)	.49	(.26)
Anger to fear										
70–30%	.61	(.29)	.68	(.28)	.58	(.30)	.61	(.27)	.55	(.30)
60–40%	.62	(.29)	.71	(.30)	.58	(.28)	.62	(.25)	.52	(.27)
50–50%	.61	(.28)	.66	(.27)	.59	(.29)	.62	(.24)	.52	(.30)
40–60%	.60	(.29)	.70	(.33)	.56	(.27)	.61	(.26)	.55	(.30)
30–70%	.59	(.30)	.66	(.29)	.55	(.29)	.56	(.25)	.57	(.28)
Fear to happiness										
70–30%	.60	(.29)	.71	(.26)	.55	(.29)	.54	(.30)	.50	(.29)
60–40%	.59	(.29)	.67	(.29)	.55	(.28)	.58	(.25)	.54	(.30)
50–50%	.60	(.28)	.68	(.24)	.57	(.29)	.56	(.26)	.54	(.29)
40–60%	.59	(.29)	.66	(.26)	.55	(.30)	.53	(.26)	.53	(.33)
30–70%	.61	(.30)	.68	(.34)	.58	(.28)	.58	(.29)	.49	(.31)
Fear to sadness										
70–30%	.58	(.30)	.72	(.27)	.61	(.25)	.58	(.30)	.51	(.31)
60–40%	.62	(.26)	.72	(.24)	.58	(.27)	.59	(.29)	.51	(.28)
50–50%	.64	(.27)	.71	(.27)	.61	(.27)	.55	(.31)	.53	(.29)
40–60%	.64	(.28)	.73	(.25)	.60	(.28)	.57	(.31)	.51	(.29)
30–70%	.64	(.26)	.70	(.21)	.61	(.28)	.55	(.29)	.54	(.30)
Sadness to happiness										
70–30%	.61	(.27)	.66	(.30)	.58	(.26)	.49	(.27)	.48	(.30)
60–40%	.59	(.30)	.60	(.30)	.59	(.30)	.53	(.29)	.47	(.30)
50–50%	.57	(.29)	.62	(.27)	.55	(.29)	.49	(.26)	.47	(.29)
40–60%	.63	(.29)	.68	(.28)	.60	(.30)	.53	(.29)	.46	(.32)
30–70%	.59	(.30)	.64	(.30)	.57	(.30)	.55	(.30)	.48	(.31)

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLE S7. Number of Fixations on Face Relative to the Total Duration of Fixations

	BPD										CC		NP	
	Total		PTSD+		PTSD-									
	<i>(n = 62)</i>		<i>(n = 20)</i>		<i>(n = 42)</i>		<i>(n = 30)</i>		<i>(n = 30)</i>		<i>(n = 44)</i>		<i>(n = 44)</i>	
	<i>M</i>	<i>(SD)</i>	<i>M</i>	<i>(SD)</i>	<i>M</i>	<i>(SD)</i>	<i>M</i>	<i>(SD)</i>	<i>M</i>	<i>(SD)</i>	<i>M</i>	<i>(SD)</i>	<i>M</i>	<i>(SD)</i>
Anger to happiness														
70–30%	.94	(.10)	.97	(.07)	.92	(.11)	.93	(.10)	.92	(.09)	.92	(.09)	.92	(.09)
60–40%	.94	(.10)	.96	(.08)	.92	(.11)	.94	(.08)	.92	(.09)	.92	(.09)	.92	(.09)
50–50%	.95	(.08)	.96	(.08)	.94	(.08)	.93	(.10)	.89	(.15)	.89	(.15)	.89	(.15)
40–60%	.95	(.09)	.94	(.13)	.96	(.06)	.93	(.10)	.94	(.07)	.94	(.07)	.94	(.07)
30–70%	.93	(.10)	.94	(.10)	.92	(.10)	.91	(.09)	.92	(.10)	.92	(.10)	.92	(.10)
Anger to sadness														
70–30%	.94	(.08)	.93	(.10)	.94	(.07)	.93	(.08)	.94	(.06)	.94	(.06)	.94	(.06)
60–40%	.92	(.15)	.94	(.09)	.90	(.17)	.87	(.19)	.92	(.09)	.92	(.09)	.92	(.09)
50–50%	.95	(.07)	.94	(.10)	.95	(.06)	.91	(.11)	.95	(.07)	.95	(.07)	.95	(.07)
40–60%	.95	(.08)	.94	(.09)	.95	(.07)	.92	(.09)	.92	(.10)	.92	(.10)	.92	(.10)
30–70%	.93	(.09)	.94	(.09)	.93	(.10)	.91	(.09)	.91	(.08)	.91	(.08)	.91	(.08)
Anger to fear														
70–30%	.93	(.10)	.93	(.10)	.92	(.10)	.91	(.08)	.91	(.11)	.91	(.11)	.91	(.11)
60–40%	.91	(.16)	.93	(.10)	.90	(.18)	.92	(.10)	.91	(.13)	.91	(.13)	.91	(.13)
50–50%	.92	(.10)	.92	(.11)	.91	(.09)	.92	(.08)	.91	(.09)	.91	(.09)	.91	(.09)
40–60%	.92	(.09)	.92	(.10)	.92	(.08)	.92	(.09)	.89	(.15)	.89	(.15)	.89	(.15)
30–70%	.92	(.11)	.94	(.11)	.91	(.10)	.91	(.09)	.91	(.09)	.91	(.09)	.91	(.09)
Fear to happiness														
70–30%	.92	(.08)	.94	(.10)	.91	(.08)	.93	(.11)	.91	(.16)	.91	(.16)	.91	(.16)
60–40%	.93	(.09)	.94	(.09)	.92	(.10)	.93	(.08)	.90	(.15)	.90	(.15)	.90	(.15)
50–50%	.91	(.15)	.94	(.09)	.90	(.16)	.93	(.09)	.90	(.17)	.90	(.17)	.90	(.17)
40–60%	.92	(.11)	.92	(.13)	.93	(.10)	.94	(.10)	.90	(.16)	.90	(.16)	.90	(.16)
30–70%	.94	(.09)	.96	(.09)	.93	(.09)	.92	(.10)	.92	(.17)	.92	(.17)	.92	(.17)
Fear to sadness														
70–30%	.92	(.10)	.93	(.11)	.92	(.09)	.90	(.11)	.88	(.13)	.88	(.13)	.88	(.13)
60–40%	.91	(.10)	.91	(.10)	.91	(.10)	.90	(.13)	.89	(.13)	.89	(.13)	.89	(.13)
50–50%	.92	(.09)	.92	(.10)	.93	(.08)	.87	(.19)	.87	(.16)	.87	(.16)	.87	(.16)
40–60%	.92	(.10)	.92	(.11)	.93	(.09)	.88	(.19)	.89	(.13)	.89	(.13)	.89	(.13)
30–70%	.92	(.10)	.93	(.10)	.91	(.10)	.86	(.20)	.90	(.13)	.90	(.13)	.90	(.13)
Sadness to happiness														
70–30%	.92	(.11)	.93	(.13)	.92	.11	(.94)	(.07)	.90	(.15)	.90	(.15)	.90	(.15)
60–40%	.93	(.10)	.96	(.09)	.92	.10	(.91)	(.07)	.89	(.15)	.89	(.15)	.89	(.15)
50–50%	.94	(.09)	.95	(.09)	.93	.09	(.93)	(.09)	.88	(.15)	.88	(.15)	.88	(.15)
40–60%	.96	(.08)	.96	(.08)	.96	.08	(.93)	(.09)	.89	(.16)	.89	(.16)	.89	(.16)
30–70%	.93	(.15)	.96	(.07)	.91	.17	(.93)	(.08)	.89	(.16)	.89	(.16)	.89	(.16)

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLE S8. Duration of Fixation on Face Relative to the Total Duration of Fixation

	BPD										CC		NP	
	Total		PTSD+		PTSD-									
	(n = 62)		(n = 20)		(n = 42)		(n = 30)		(n = 30)		(n = 44)		(n = 44)	
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)
Anger to happiness														
70–30%	.95	(.09)	.98	(.05)	.94	(.10)	.94	(.09)	.95	(.06)				
60–40%	.95	(.08)	.97	(.05)	.94	(.09)	.96	(.07)	.94	(.08)				
50–50%	.96	(.07)	.97	(.06)	.96	(.07)	.94	(.11)	.92	(.15)				
40–60%	.97	(.06)	.96	(.09)	.97	(.09)	.94	(.09)	.95	(.06)				
30–70%	.95	(.09)	.96	(.07)	.94	(.09)	.92	(.09)	.94	(.09)				
Anger to sadness														
70–30%	.96	(.06)	.95	(.07)	.96	(.06)	.94	(.09)	.96	(.05)				
60–40%	.93	(.15)	.96	(.07)	.92	(.17)	.89	(.18)	.94	(.07)				
50–50%	.95	(.07)	.95	(.09)	.96	(.06)	.91	(.12)	.96	(.06)				
40–60%	.96	(.06)	.96	(.06)	.97	(.05)	.93	(.07)	.95	(.08)				
30–70%	.95	(.07)	.95	(.07)	.95	(.07)	.93	(.07)	.95	(.06)				
Anger to fear														
70–30%	.94	(.09)	.94	(.08)	.94	(.09)	.93	(.06)	.93	(.09)				
60–40%	.92	(.15)	.95	(.09)	.91	(.18)	.93	(.09)	.93	(.12)				
50–50%	.93	(.08)	.93	(.11)	.94	(.07)	.93	(.07)	.93	(.08)				
40–60%	.94	(.07)	.94	(.09)	.95	(.06)	.94	(.07)	.91	(.14)				
30–70%	.94	(.09)	.95	(.09)	.93	(.09)	.93	(.08)	.93	(.08)				
Fear to happiness														
70–30%	.94	(.07)	.95	(.07)	.94	(.06)	.94	(.09)	.94	(.15)				
60–40%	.94	(.08)	.94	(.09)	.95	(.08)	.94	(.07)	.93	(.15)				
50–50%	.94	(.14)	.96	(.07)	.92	(.16)	.94	(.07)	.92	(.16)				
40–60%	.94	(.09)	.93	(.12)	.95	(.06)	.95	(.08)	.92	(.16)				
30–70%	.95	(.08)	.96	(.08)	.95	(.08)	.94	(.08)	.94	(.15)				
Fear to sadness														
70–30%	.94	(.08)	.94	(.10)	.94	(.07)	.92	(.09)	.91	(.12)				
60–40%	.94	(.07)	.94	(.07)	.94	(.06)	.92	(.11)	.92	(.14)				
50–50%	.94	(.08)	.93	(.10)	.95	(.06)	.88	(.19)	.90	(.16)				
40–60%	.95	(.08)	.95	(.07)	.94	(.08)	.90	(.19)	.91	(.14)				
30–70%	.94	(.07)	.94	(.07)	.88	(.20)	.88	(.20)	.92	(.13)				
Sadness to happiness														
70–30%	.94	(.09)	.96	(.08)	.94	(.10)	.95	(.06)	.93	(.15)				
60–40%	.95	(.08)	.97	(.06)	.94	(.09)	.93	(.06)	.92	(.15)				
50–50%	.95	(.07)	.96	(.07)	.95	(.08)	.95	(.06)	.91	(.15)				
40–60%	.97	(.06)	.97	(.06)	.97	(.06)	.94	(.09)	.92	(.16)				
30–70%	.93	(.14)	.97	(.06)	.92	(.17)	.94	(.08)	.92	(.16)				

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLE S9. Number of Fixations on Mouth Relative to the Total Number of Fixations

	BPD										CC		NP	
	Total		PTSD+		PTSD-									
	(n = 62)		(n = 20)		(n = 42)		(n = 30)		(n = 44)					
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)		
Anger to happiness														
70–30%	.11	(.14)	.06	(.09)	.13	(.15)	.12	(.12)	.12	(.13)	.12	(.13)		
60–40%	.11	(.13)	.11	(.12)	.11	(.13)	.18	(.19)	.13	(.12)	.13	(.12)		
50–50%	.13	(.14)	.10	(.12)	.14	(.14)	.16	(.15)	.14	(.13)	.14	(.13)		
40–60%	.13	(.13)	.10	(.11)	.14	(.13)	.16	(.16)	.12	(.10)	.12	(.10)		
30–70%	.12	(.14)	.14	(.18)	.10	(.12)	.15	(.20)	.10	(.11)	.10	(.11)		
Anger to sadness														
70–30%	.13	(.15)	.11	(.14)	.15	(.15)	.15	(.11)	.12	(.13)	.12	(.13)		
60–40%	.12	(.17)	.07	(.10)	.15	(.19)	.13	(.14)	.10	(.11)	.10	(.11)		
50–50%	.13	(.16)	.11	(.14)	.14	(.17)	.14	(.11)	.10	(.10)	.10	(.10)		
40–60%	.13	(.12)	.11	(.11)	.14	(.12)	.15	(.12)	.13	(.13)	.13	(.13)		
30–70%	.13	(.14)	.11	(.13)	.15	(.15)	.16	(.12)	.12	(.12)	.12	(.12)		
Anger to fear														
70–30%	.09	(.15)	.10	(.19)	.09	(.13)	.11	(.12)	.09	(.12)	.09	(.12)		
60–40%	.10	(.13)	.08	(.13)	.11	(.13)	.13	(.09)	.11	(.11)	.11	(.11)		
50–50%	.11	(.13)	.10	(.17)	.12	(.11)	.14	(.12)	.11	(.10)	.11	(.10)		
40–60%	.11	(.15)	.10	(.17)	.12	(.14)	.13	(.11)	.12	(.11)	.12	(.11)		
30–70%	.11	(.16)	.11	(.18)	.11	(.15)	.15	(.12)	.10	(.10)	.10	(.10)		
Fear to happiness														
70–30%	.11	(.13)	.07	(.09)	.13	(.14)	.13	(.13)	.11	(.11)	.11	(.11)		
60–40%	.12	(.15)	.08	(.12)	.13	(.16)	.14	(.11)	.13	(.13)	.13	(.13)		
50–50%	.12	(.14)	.12	(.15)	.12	(.14)	.17	(.11)	.11	(.09)	.11	(.09)		
40–60%	.13	(.19)	.10	(.15)	.14	(.21)	.13	(.13)	.11	(.14)	.11	(.14)		
30–70%	.10	(.14)	.09	(.13)	.11	(.14)	.10	(.08)	.09	(.10)	.09	(.10)		
Fear to sadness														
70–30%	.11	(.14)	.05	(.09)	.14	(.15)	.13	(.11)	.12	(.13)	.12	(.13)		
60–40%	.12	(.15)	.08	(.13)	.13	(.16)	.13	(.12)	.12	(.14)	.12	(.14)		
50–50%	.10	(.14)	.07	(.10)	.11	(.15)	.12	(.10)	.10	(.13)	.10	(.13)		
40–60%	.11	(.14)	.07	(.10)	.14	(.15)	.12	(.11)	.10	(.12)	.10	(.12)		
30–70%	.10	(.15)	.07	(.08)	.12	(.17)	.11	(.12)	.10	(.10)	.10	(.10)		
Sadness to happiness														
70–30%	.13	(.15)	.08	(.09)	.15	(.17)	.20	(.16)	.14	(.15)	.14	(.15)		
60–40%	.13	(.14)	.10	(.11)	.14	(.16)	.19	(.16)	.16	(.15)	.16	(.15)		
50–50%	.15	(.16)	.11	(.13)	.17	(.17)	.19	(.17)	.13	(.13)	.13	(.13)		
40–60%	.12	(.16)	.08	(.11)	.15	(.17)	.17	(.15)	.14	(.19)	.14	(.19)		
30–70%	.11	(.16)	.08	(.12)	.12	(.17)	.16	(.20)	.10	(.12)	.10	(.12)		

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

SUPPLEMENTAL TABLE S10. Duration of Fixation on Mouth Relative to the Total Number of Fixations

	BPD										CC		NP	
	Total		PTSD+		PTSD-									
	(n = 62)		(n = 20)		(n = 42)		(n = 30)		(n = 44)					
	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)	M	(SD)		
Anger to happiness														
70-30%	.09	(.14)	.04	(.06)	.11	(.16)	.11	(.12)	.11	(.14)	.11	(.14)		
60-40%	.09	(.13)	.08	(.10)	.10	(.15)	.16	(.19)	.12	(.14)	.12	(.14)		
50-50%	.11	(.13)	.08	(.10)	.13	(.13)	.14	(.13)	.12	(.12)	.12	(.12)		
40-60%	.10	(.12)	.07	(.09)	.12	(.13)	.14	(.15)	.10	(.10)	.10	(.10)		
30-70%	.09	(.12)	.11	(.16)	.08	(.10)	.13	(.19)	.07	(.08)	.07	(.08)		
Anger to sadness														
70-30%	.11	(.15)	.08	(.14)	.12	(.16)	.12	(.09)	.10	(.12)	.10	(.12)		
60-40%	.11	(.17)	.06	(.09)	.13	(.19)	.12	(.12)	.08	(.10)	.08	(.10)		
50-50%	.11	(.17)	.09	(.11)	.13	(.19)	.11	(.10)	.09	(.10)	.09	(.10)		
40-60%	.11	(.13)	.10	(.13)	.12	(.13)	.13	(.11)	.10	(.13)	.10	(.13)		
30-70%	.12	(.15)	.09	(.11)	.13	(.17)	.13	(.10)	.10	(.12)	.10	(.12)		
Anger to fear														
70-30%	.08	(.14)	.08	(.18)	.07	(.13)	.09	(.11)	.07	(.11)	.07	(.11)		
60-40%	.09	(.12)	.06	(.12)	.09	(.12)	.10	(.09)	.09	(.10)	.09	(.10)		
50-50%	.10	(.13)	.09	(.16)	.10	(.11)	.12	(.11)	.09	(.09)	.09	(.09)		
40-60%	.10	(.15)	.08	(.16)	.10	(.14)	.12	(.10)	.09	(.11)	.09	(.11)		
30-70%	.09	(.16)	.09	(.18)	.10	(.16)	.13	(.12)	.07	(.10)	.07	(.10)		
Fear to happiness														
70-30%	.09	(.12)	.05	(.08)	.11	(.14)	.11	(.12)	.09	(.10)	.09	(.10)		
60-40%	.10	(.13)	.07	(.10)	.12	(.15)	.13	(.11)	.10	(.13)	.10	(.13)		
50-50%	.10	(.14)	.09	(.12)	.11	(.15)	.14	(.12)	.08	(.07)	.08	(.07)		
40-60%	.11	(.20)	.08	(.14)	.13	(.22)	.11	(.13)	.09	(.14)	.09	(.14)		
30-70%	.09	(.14)	.07	(.12)	.10	(.14)	.08	(.07)	.07	(.08)	.07	(.08)		
Fear to sadness														
70-30%	.09	(.13)	.03	(.05)	.12	(.15)	.11	(.10)	.10	(.15)	.10	(.15)		
60-40%	.10	(.16)	.07	(.12)	.12	(.18)	.11	(.11)	.11	(.16)	.11	(.16)		
50-50%	.09	(.14)	.05	(.06)	.11	(.17)	.11	(.11)	.08	(.12)	.08	(.12)		
40-60%	.09	(.14)	.06	(.08)	.11	(.16)	.11	(.10)	.09	(.14)	.09	(.14)		
30-70%	.09	(.16)	.05	(.07)	.11	(.18)	.10	(.10)	.09	(.14)	.09	(.14)		
Sadness to happiness														
70-30%	.11	(.15)	.06	(.06)	.13	(.17)	.18	(.14)	.13	(.15)	.13	(.15)		
60-40%	.12	(.16)	.08	(.09)	.14	(.18)	.17	(.16)	.14	(.16)	.14	(.16)		
50-50%	.13	(.16)	.10	(.12)	.15	(.18)	.18	(.17)	.11	(.12)	.11	(.12)		
40-60%	.11	(.16)	.07	(.09)	.13	(.18)	.16	(.16)	.13	(.19)	.13	(.19)		
30-70%	.09	(.14)	.07	(.10)	.10	(.16)	.14	(.20)	.08	(.12)	.08	(.12)		

Note. BPD = Borderline personality disorder. PTSD = Posttraumatic stress disorder. CC = Clinical controls (patients with cluster-C personality disorder). NP = Non-patient controls.

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