

Supplemental Table S4. Generalized linear mixed-effects model with gender and task as the fixed effects, and reaction time as the dependent variable for target emotions (happiness and sadness) in Experiment 1 (pairwise contrasts are indented).

| Parameter | Estimate | Standard error (SE) | z ratio | p | Cohen's d [95% CI] |
|----------------------------|----------|---------------------|---------|---------|----------------------|
| Gender | | | | | |
| female vs. male | 0.003 | 0.04 | 0.08 | .935 | 0.01 [-0.20, 0.22] |
| Task | | | | | |
| facial vs. prosodic | -0.30 | 0.01 | -25.40 | < .0001 | -2.71 [-2.92, -2.50] |
| facial vs. semantic | -0.39 | 0.01 | -32.83 | < .0001 | -3.50 [-3.71, -3.29] |
| prosodic vs. semantic | -0.09 | 0.01 | -6.79 | < .0001 | -0.72 [-0.93, -0.51] |
| Gender * Task | | | | | |
| facial (female vs. male) | 0.003 | 0.04 | 0.08 | .937 | 0.01 [-0.20, 0.22] |
| prosodic (female vs. male) | -0.006 | 0.04 | -0.16 | .871 | -0.02 [-0.23, 0.19] |
| semantic (female vs. male) | 0.01 | 0.04 | 0.31 | .755 | 0.03 [-0.18, 0.24] |

Note. The female participants and the facial task were used as the default level of gender and task respectively. When conducting a pairwise comparison between prosodic and semantic tasks, prosody was set as the baseline level.