**Supplemental Online Materials accompanying the article "Victims Need More Than Power: Empowerment and Moral Change Independently Predict Victims' Satisfaction and Willingness to Reconcile"**

**STUDY 1**

**2 x 2 ANOVA**

Below, we report cell means (Tables S1 – S3) and results for the 2 (moral change: yes, no) x 2 (revenge: yes, no) ANOVAs (Tables S4 – S6) on a) empowerment, b) justice-related satisfaction, and c) willingness to reconcile in Study 1.

Table S1

*Means and Standard Deviations for Empowerment as a function of a 2 (moral change: yes, no) x 2 (revenge: yes, no) between-subjects design*

| No Revenge | | | |
|---|---|---|---|
| Moral Change | *M* | *M* 95% CI [LL, UL] | *SD* |
| no | 2.89 | [2.47, 3.30] | 1.35 |
| yes | 2.96 | [2.58, 3.35] | 1.38 |
| Revenge | | | |
| Moral Change | *M* | *M* 95% CI [LL, UL] | *SD* |
| no | 3.45 | [2.95, 3.95] | 1.38 |
| yes | 4.38 | [3.98, 4.79] | 1.30 |

*Note. M* and *SD* represent mean and standard deviation, respectively. *LL* and *UL* indicate the lower and upper limits of the 95% confidence interval for the mean, respectively.

Table S2

*Means and Standard Deviations for Justice-related satisfaction as a function of a 2 (moral change: yes, no) x 2 (revenge: yes, no) between-subjects design*

| | | No Revenge | |
|---|---|---|---|
| Moral Change | *M* | *M* 95% CI [LL, UL] | *SD* |
| no | 3.21 | [2.91, 3.51] | 0.97 |
| yes | 3.97 | [3.66, 4.28] | 1.12 |
| | | Revenge | |
| Moral Change | *M* | *M* 95% CI [LL, UL] | *SD* |
| no | 3.04 | [2.74, 3.34] | 0.82 |
| yes | 3.61 | [3.35, 3.87] | 0.84 |

*Note.* *M* and *SD* represent mean and standard deviation, respectively. *LL* and *UL* indicate the lower and upper limits of the 95% confidence interval for the mean, respectively.

Table S3

*Means and Standard Deviations for willingness to reconcile as a function of a 2 (moral change: yes, no) x 2 (revenge: yes, no) between-subjects design*

| | | No Revenge | |
|---|---|---|---|
| Moral Change | *M* | *M* 95% CI [LL, UL] | *SD* |
| no | 4.88 | [4.51, 5.25] | 1.20 |
| yes | 5.57 | [5.27, 5.87] | 1.08 |
| | | Revenge | |
| Moral Change | *M* | *M* 95% CI [LL, UL] | *SD* |
| no | 5.21 | [4.82, 5.60] | 1.08 |
| yes | 5.64 | [5.36, 5.93] | 0.91 |

*Note.* *M* and *SD* represent mean and standard deviation, respectively. *LL* and *UL* indicate the lower and upper limits of the 95% confidence interval for the mean, respectively.

Table S4

*ANOVA results for Empowerment*

| Predictor | $df_{Num}$ | $df_{Den}$ | $SS_{Num}$ | $SS_{Den}$ | $F$ | $p$ | $\eta^2_p$ |
|---|---|---|---|---|---|---|---|
| (Intercept) | 1 | 165 | 1917.94 | 302.56 | 1045.95 | .000 | .86 |
| Moral Change | 1 | 165 | 10.40 | 302.56 | 5.67 | .018 | .03 |
| Revenge | 1 | 165 | 40.18 | 302.56 | 21.91 | .000 | .12 |
| Moral Change x Revenge | 1 | 165 | 7.57 | 302.56 | 4.13 | .044 | .02 |

*Note.* $df_{Num}$ indicates degrees of freedom numerator. $df_{Den}$ indicates degrees of freedom denominator. $SS_{Num}$ indicates sum of squares numerator. $SS_{Den}$ indicates sum of squares denominator. $\eta^2_g$ indicates generalized eta-squared.

Table S5

*ANOVA results for Justice-related Satisfaction*

| Predictor | $df_{Num}$ | $df_{Den}$ | $SS_{Num}$ | $SS_{Den}$ | $F$ | $p$ | $\eta^2_p$ |
|---|---|---|---|---|---|---|---|
| (Intercept) | 1 | 165 | 1958.41 | 153.56 | 2104.38 | .000 | .93 |
| Moral Change | 1 | 165 | 18.20 | 153.56 | 19.56 | .000 | .11 |
| Revenge | 1 | 165 | 2.83 | 153.56 | 3.04 | .083 | .02 |
| Moral Change x Revenge | 1 | 165 | 0.38 | 153.56 | 0.41 | .524 | .00 |

*Note.* $df_{Num}$ indicates degrees of freedom numerator. $df_{Den}$ indicates degrees of freedom denominator. $SS_{Num}$ indicates sum of squares numerator. $SS_{Den}$ indicates sum of squares denominator. $\eta^2_g$ indicates generalized eta-squared.
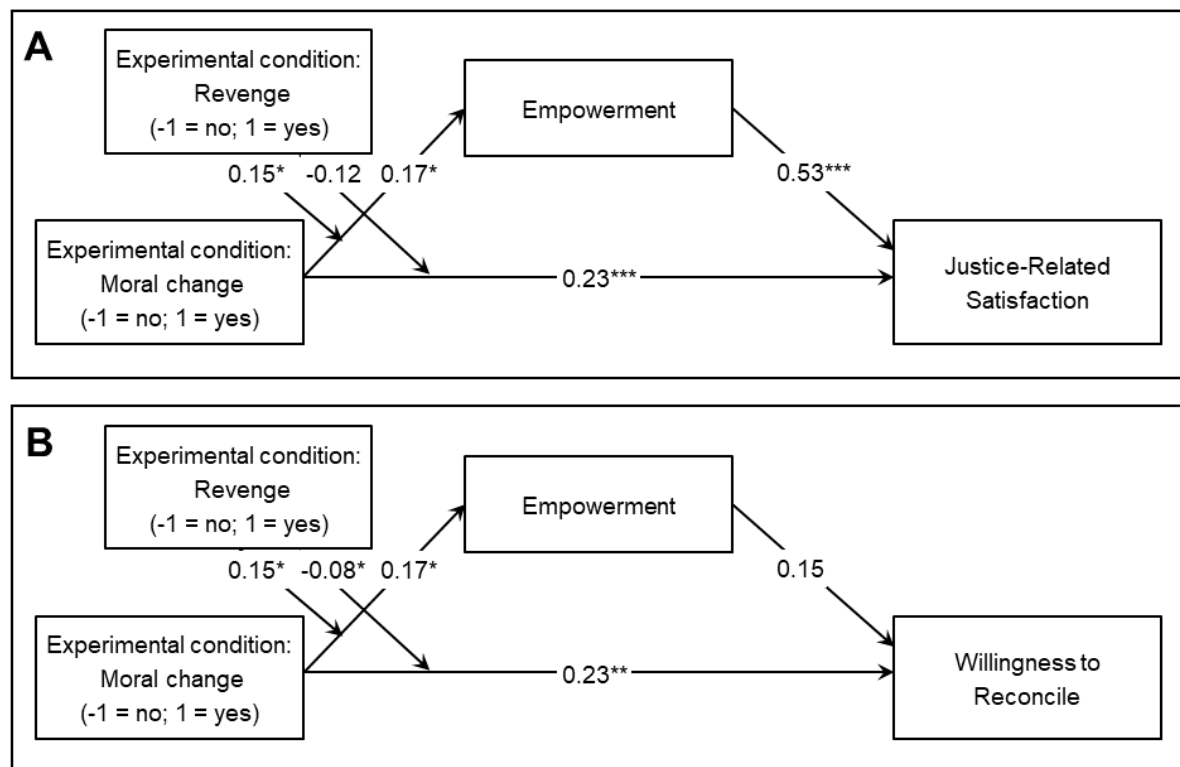
Table S6

*ANOVA results for Willingness to Reconcile*

| Predictor | $df_{Num}$ | $df_{Den}$ | $SS_{Num}$ | $SS_{Den}$ | $F$ | $p$ | $\eta^2_p$ |
|---|---|---|---|---|---|---|---|
| (Intercept) | 1 | 165 | 4653.14 | 190.46 | 4031.03 | .000 | .96 |
| Moral Change | 1 | 165 | 12.76 | 190.46 | 11.05 | .001 | .06 |
| Revenge | 1 | 165 | 1.66 | 190.46 | 1.44 | .232 | .01 |
| Moral Change x Revenge | 1 | 165 | 0.65 | 190.46 | 0.56 | .454 | .00 |

*Note.* $df_{Num}$ indicates degrees of freedom numerator. $df_{Den}$ indicates degrees of freedom denominator. $SS_{Num}$ indicates sum of squares numerator. $SS_{Den}$ indicates sum of squares denominator. $\eta^2_g$ indicates generalized eta-squared.

**Moderated mediation**

Here, we show results for the moderated mediation model in Study 1.



*Figure S1.* Direct and Indirect Effects of Moral Change Feedback Moderated by Revenge on

Justice-Related Satisfaction (Panel A) and Willingness to Reconcile (Panel B) in Study 1.

**Mediation with both outcomes simultaneously**

   The following figure presents the mediation model in study 1 with both outcomes (i.e.,

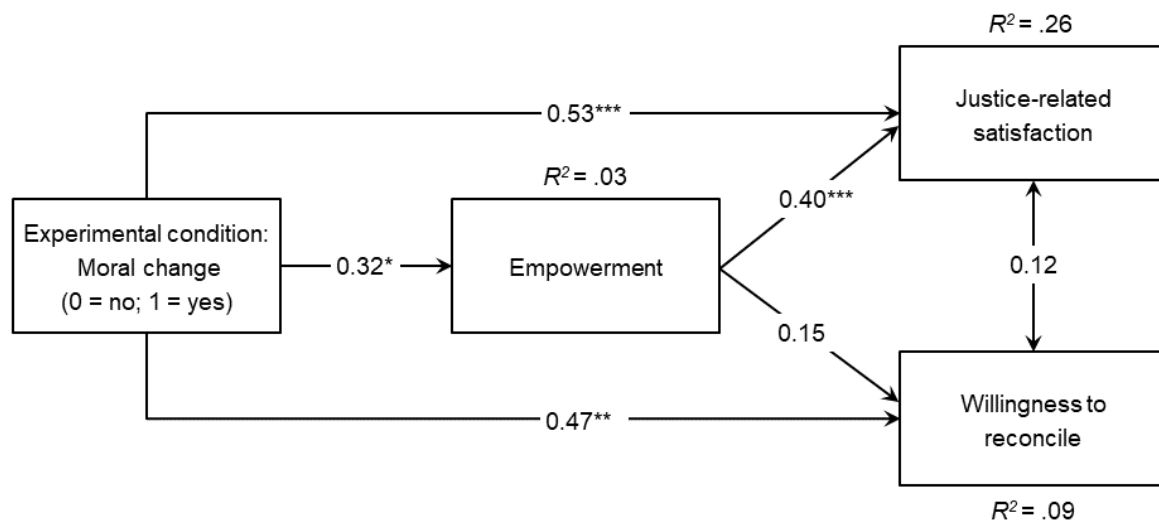justice-related satisfaction and willingness to reconcile) simultaneously.



*Figure S2*. Direct and Indirect Effects of Moral Change Feedback Simultaneously on Justice-

Related Satisfaction and Willingness to Reconcile in Study 1.

**STUDY 3**

**Post-hoc tests**

The following tables show post-hoc t-tests between the experimental conditions in Study 3.

Table S7

*Post-hoc tests for ANOVA main effects in Study 3 between the no moral change and the moral change conditions.*

| Variable | no moral change | moral change | Test for significant mean difference (Welch's *t*-test, one-sided) |
|---|---|---|---|
| | *M (SD)* | *M (SD)* | |
| **Justice-Related Satisfaction** | 2.51 (0.82) | 3.11 (0.97) | Welch's $t(444.74) = -7.12$, $p < .001$, $d = 0.67$ |
| **Willingness to Reconcile** | 2.07 (0.79) | 2.63 (1.04) | Welch's $t(429.69) = -6.50$, $p < .001$, $d = 0.61$ |

Table S8

*Post-hoc tests for ANOVA main effects in Study 3 between the no status restoration and the status restoration conditions.*

| Variable | no status restoration | status restoration | Test for significant mean difference (Welch's *t*-test, one-sided) |
|---|---|---|---|
| | *M (SD)* | *M (SD)* | |
| **Justice-Related Satisfaction** | 2.69 (0.86) | 2.95 (1.02) | Welch's $t(431.73) = -2.93$, $p = .002$, $d = 0.28$ |
| **Willingness to Reconcile** | 2.15 (0.88) | 2.58 (1.00) | Welch's $t(437.47) = -4.76$, $p < .001$, $d = 0.45$ |

**STUDY 4**

**Applying all preregistered exclusion criteria**

In Study 4, we deviated from our preregistration and dropped one exclusion criterion (i.e., a comprehension check item) that had a suboptimal wording and would have required to exclude further 135 participants from our sample. We report the results for all preregistered exclusion criteria below.

When applying all preregistered exclusion criteria, the final sample would have consisted of $N = 213$ participants ($M_{Age} = 29.46$, $SD_{Age} = 10.02$; 169 female, 43 male, 1 other). The cell means for justice-related satisfaction and willingness to reconcile are depicted in Table S9 and S10, respectively. The results for the ANOVAs with both experimental conditions (offender feedback: status restoration, moral change; relationship closeness: distant, close) as independent variables and justice-related satisfaction and willingness to reconcile as dependent variables are shown in Table S11 and S12.

Table S9

*Means and Standard Deviations for Justice-related Satisfaction as a function of a 2 (Offender Feedback) X 2 Relationship Closeness) between-subjects design*

| Relationship Closeness: Distant | | | |
|---|---|---|---|
| Offender Feedback | *M* | *M* 95% CI [LL, UL] | *SD* |
| Moral Change Feedback | 3.01 | [2.78, 3.24] | 0.77 |
| Status Restoration Feedback | 2.48 | [2.26, 2.70] | 0.75 |
| Relationship Closeness: Close | | | |
| Offender Feedback | *M* | *M* 95% CI [LL, UL] | *SD* |
| Moral Change Feedback | 2.87 | [2.69, 3.04] | 0.67 |
| Status Restoration Feedback | 2.40 | [2.21, 2.60] | 0.77 |

*Note. M* and *SD* represent mean and standard deviation, respectively. *LL* and *UL* indicate the lower and upper limits of the 95% confidence interval for the mean, respectively.

Table S10

*Means and Standard Deviations for Willingness to Reconcile as a function of a 2 (Offender Feedback) X 2 (Relationship Closeness) design*

| Relationship Closeness: Distant | | | |
|---|---|---|---|
| Offender Feedback | *M* | *M* 95% CI [LL, UL] | *SD* |
| Moral Change Feedback | 2.67 | [2.47, 2.87] | 0.67 |
| Status Restoration Feedback | 2.22 | [2.02, 2.42] | 0.67 |
| Relationship Closeness: Close | | | |
| Offender Feedback | *M* | *M* 95% CI [LL, UL] | *SD* |
| Moral Change Feedback | 2.79 | [2.61, 2.97] | 0.72 |
| Status Restoration Feedback | 2.43 | [2.24, 2.63] | 0.75 |

*Note. M* and *SD* represent mean and standard deviation, respectively. *LL* and *UL* indicate the lower and upper limits of the 95% confidence interval for the mean, respectively.

Table S11

*ANOVA results for Justice-related Satisfaction*

| Predictor | $df_{Num}$ | $df_{Den}$ | $SS_{Num}$ | $SS_{Den}$ | $F$ | $p$ | $\eta^2_p$ |
|---|---|---|---|---|---|---|---|
| (Intercept) | 1 | 209 | 1508.10 | 113.62 | 2774.00 | < .001 | .93 |
| Relationship Closeness | 1 | 209 | 0.63 | 113.62 | 1.15 | .284 | .01 |
| Offender Feedback | 1 | 209 | 12.69 | 113.62 | 23.34 | < .001 | .10 |
| Relationship Closeness x Offender Feedback | 1 | 209 | 0.05 | 113.62 | 0.10 | .754 | .00 |

*Note.* $df_{Num}$ indicates degrees of freedom numerator. $df_{Den}$ indicates degrees of freedom denominator. $SS_{Num}$ indicates sum of squares numerator. $SS_{Den}$ indicates sum of squares denominator. $\eta^2_p$ indicates partial eta-squared.
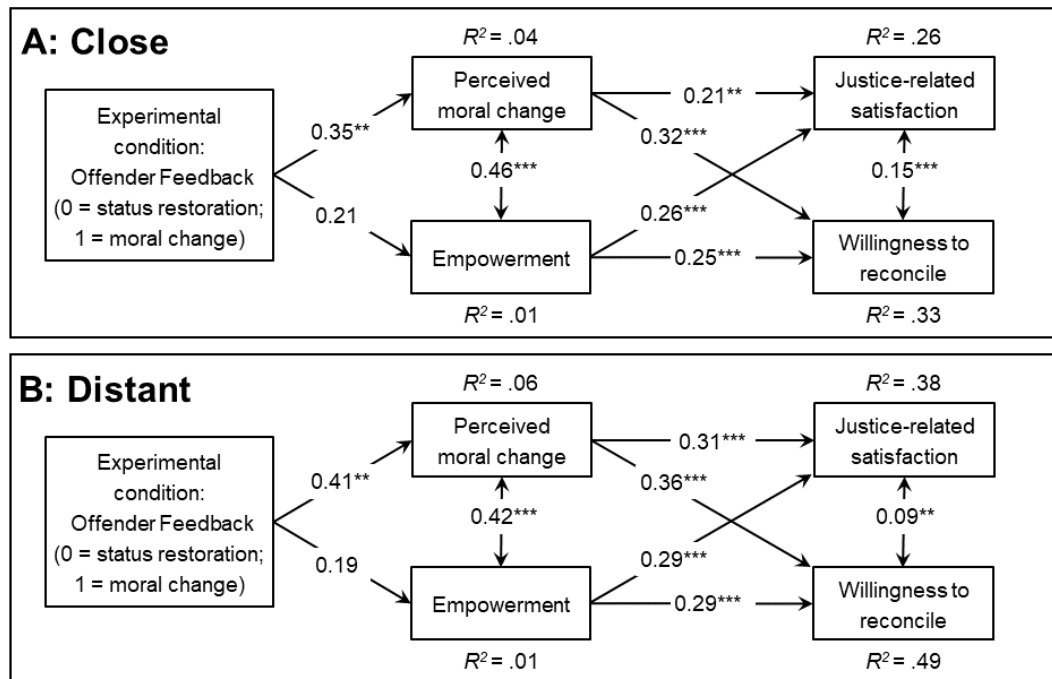
Table S12

*ANOVA results for Willingness to Reconcile*

| Predictor | $df_{Num}$ | $df_{Den}$ | $SS_{Num}$ | $SS_{Den}$ | $F$ | $p$ | $\eta^2_p$ |
|---|---|---|---|---|---|---|---|
| (Intercept) | 1 | 209 | 1331.96 | 104.77 | 2656.95 | < .001 | .93 |
| Relationship Closeness | 1 | 209 | 1.44 | 104.77 | 2.86 | .092 | .01 |
| Offender Feedback | 1 | 209 | 8.54 | 104.77 | 17.04 | < .001 | .08 |
| Relationship Closeness x Offender Feedback | 1 | 209 | 0.13 | 104.77 | 0.26 | .611 | .00 |

*Note.* $df_{Num}$ indicates degrees of freedom numerator. $df_{Den}$ indicates degrees of freedom denominator. $SS_{Num}$ indicates sum of squares numerator. $SS_{Den}$ indicates sum of squares denominator. $\eta^2_p$ indicates partial eta-squared.

**Path model**

Figure S3 shows a path model illustrating the mediating effects of empowerment and perceived moral change in close and distant victim-perpetrator relationships.



*Figure S3.* Perceived Moral Change and Empowerment Mediating the Effects of Offender Feedback on Justice-Related Satisfaction and Willingness to Reconcile in Close (Panel A) and Distant Relationships (Panel B) in Study 4.

**STUDY 5**

**Post-hoc tests**

The following tables show post-hoc t-tests between the experimental conditions in Study 5.

Table S13

*Post-hoc tests for ANOVA main effects in Study 5 between the no moral change and the moral change conditions.*

| Variable | no moral change | moral change | Test for significant mean difference ($t$-test, one-sided) |
|---|---|---|---|
| | *M (SD)* | *M (SD)* | |
| **Justice-Related Satisfaction** | 2.76 (0.71) | 3.39 (0.74) | $t(567) = -10.27$, $p < .001$, $d = 0.86$ |
| **Willingness to Reconcile** | 2.26 (0.70) | 2.93 (0.86) | Welch's $t(545.60) = -10.21$, $p < .001$, $d = 0.86$ |

Table S14

*Post-hoc tests for ANOVA main effects in Study 5 between the no status restoration and the status restoration conditions.*

| Variable | no status restoration | status restoration | Test for significant mean difference (*t*-test, one-sided) |
|---|---|---|---|
| | *M (SD)* | *M (SD)* | |
| **Justice-Related Satisfaction** | 2.94 (0.74) | 3.21 (0.81) | $t(567) = -4.23, p < .001, d = 0.36$ |
| **Willingness to Reconcile** | 2.36 (0.79) | 2.83 (0.86) | $t(567) = -6.80, p < .001, d = 0.57$ |