Description of Additional Supplementary Files

Supplementary Movie 1: Timing-controlled division of A:Bdroplet at cERH = $1.25 \times 10-2$ U/ μ L and cA \tilde{B} = 1.5.

Supplementary Movie 2: Timing-controlled division of A:Bdroplet at cERH = $2.5 \times 10-2$ U/ μ L and cA \tilde{B} = 1.5.

Supplementary Movie 3: Timing-controlled division of A:Bdroplet at cERH = $5.0 \times 10-2$ U/ μ L and cA \tilde{B} = 1.5.

Supplementary Movie 4: Timing-controlled division of A:Bdroplet at $cERH = 2.5 \times 10-2$ U/ μ L and $cA\tilde{B} = 1.0$.

Supplementary Movie 5: Timing-controlled division of A:Bdroplet at $cERH = 2.5 \times 10-2$ U/ μ L and $cA\tilde{B} = 2.0$.

Supplementary Movie 6: Pathway-controlled division of C·A·B-droplets via Pathway 1 (RNA concentration condition (i) in Figure 7a).

Supplementary Movie 7: Pathway-controlled division of C·A·B-droplets via Pathway 2 (RNA concentration condition (v) in Figure 7a).

Supplementary Movie 8: Pathway-controlled division of C·A·B-droplets at RNA concentration condition (ii) in Figure 7a.

Supplementary Movie 9: Pathway-controlled division of C·A·B-droplets at RNA concentration condition (iii) in Figure 7a.

Supplementary Movie 10: Pathway-controlled division of C·A·B-droplets at RNA concentration condition (iv) in Figure 7a.