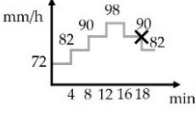
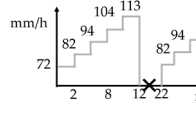
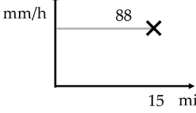
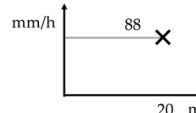
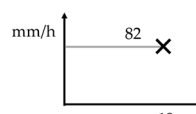
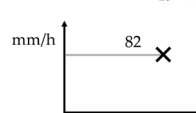
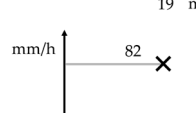
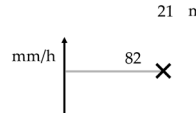
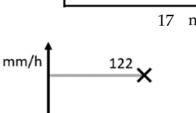
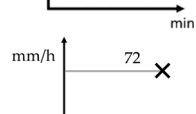
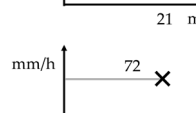
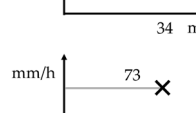
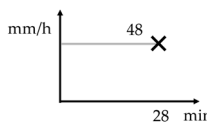
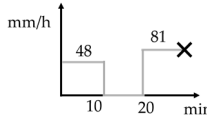
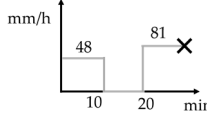
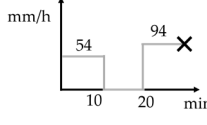
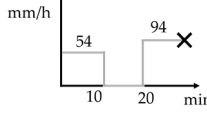
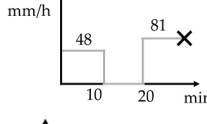
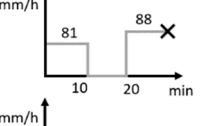



# Supplementary Material

Table S1. Experimental parameters.

| ID   | Rainfall Simulation   | Volume of Water | Porosity | VWC          | Degree of Saturation | Inclination | Hydr Conductivity    | First Failure |
|------|---|-----------------|----------|--------------|----------------------|-------------|----------------------|---------------|
|      |   | $V_w$ [l]       | $n$ [-]  | $\theta$ [-] | $S_r$ [-]            | $S$ [deg]   | $k_s$ [m/s]          | [min]         |
| A    |    | 38              | 0.48     | 0.13         | 0.28                 | 35          | $4.4 \times 10^{-4}$ | 18            |
| B    |    | 41.8            | 0.49     | 0.13         | 0.27                 | 40          | $4.8 \times 10^{-4}$ | 20            |
| C    |    | 35.1            | 0.52     | 0.09         | 0.17                 | 40          | $6.1 \times 10^{-4}$ | 15            |
| D    |    | 46.8            | 0.52     | 0.11         | 0.21                 | 40          | $6.1 \times 10^{-4}$ | 20            |
| E*   |   | 41              | 0.44     | 0.1          | 0.23                 | 35          | $4.9 \times 10^{-4}$ | 19            |
| F*   |  | 41              | 0.54     | 0.18         | 0.33                 | 35          | $1.1 \times 10^{-3}$ | 19            |
| G**  |  | 45.4            | 0.47     | 0.087        | 0.18                 | 40          | $6.3 \times 10^{-4}$ | 21            |
| H**  |  | 37.7            | 0.49     | 0.12         | 0.24                 | 40          | $7.5 \times 10^{-4}$ | 17            |
| I    |  | 38.8            | 0.5      | 0.054        | 0.11                 | 35          | $5.2 \times 10^{-4}$ | 12            |
| J    |  | 40.4            | 0.51     | 0.11         | 0.22                 | 35          | $5.6 \times 10^{-4}$ | 21            |
| K*** |  | 65.3            | 0.51     | 0.073        | 0.14                 | 35          | $8.8 \times 10^{-4}$ | 34            |
| L    |  | 69              | 0.54     | 0.044        | 0.082                | 30          | $7.1 \times 10^{-4}$ | 36            |

|    |   |      |      |       |      |    |                      |    |
|----|---|------|------|-------|------|----|----------------------|----|
| M* |    | 35.8 | 0.54 | 0.1   | 0.18 | 40 | $7.1 \times 10^{-4}$ | 28 |
| N  |    | 34.4 | 0.54 | 0.087 | 0.16 | 35 | $7.1 \times 10^{-4}$ | 30 |
| O  |    | 25.8 | 0.54 | 0.09  | 0.17 | 40 | $7.1 \times 10^{-4}$ | 26 |
| P  |    | 42.2 | 0.54 | 0.067 | 0.12 | 40 | $7.1 \times 10^{-4}$ | 31 |
| Q  |    | 39.6 | 0.54 | 0.07  | 0.13 | 40 | $7.1 \times 10^{-4}$ | 30 |
| R  |    | 30.8 | 0.54 | 0.12  | 0.22 | 40 | $7.1 \times 10^{-4}$ | 28 |
| S  |   | 45   | 0.51 | 0.13  | 0.25 | 37 | $5.6 \times 10^{-4}$ | 31 |
| T  |  | 38   | 0.48 | 0.1   | 0.21 | 35 | $5.2 \times 10^{-4}$ | 37 |

\*Experiments with heterogeneous material,  $Cu = 1.85$

\*\*Experiments with heterogeneous material,  $Cu = 4.7$

\*\*\*Experiment featuring concentrated rainfall in the upper part of the slope