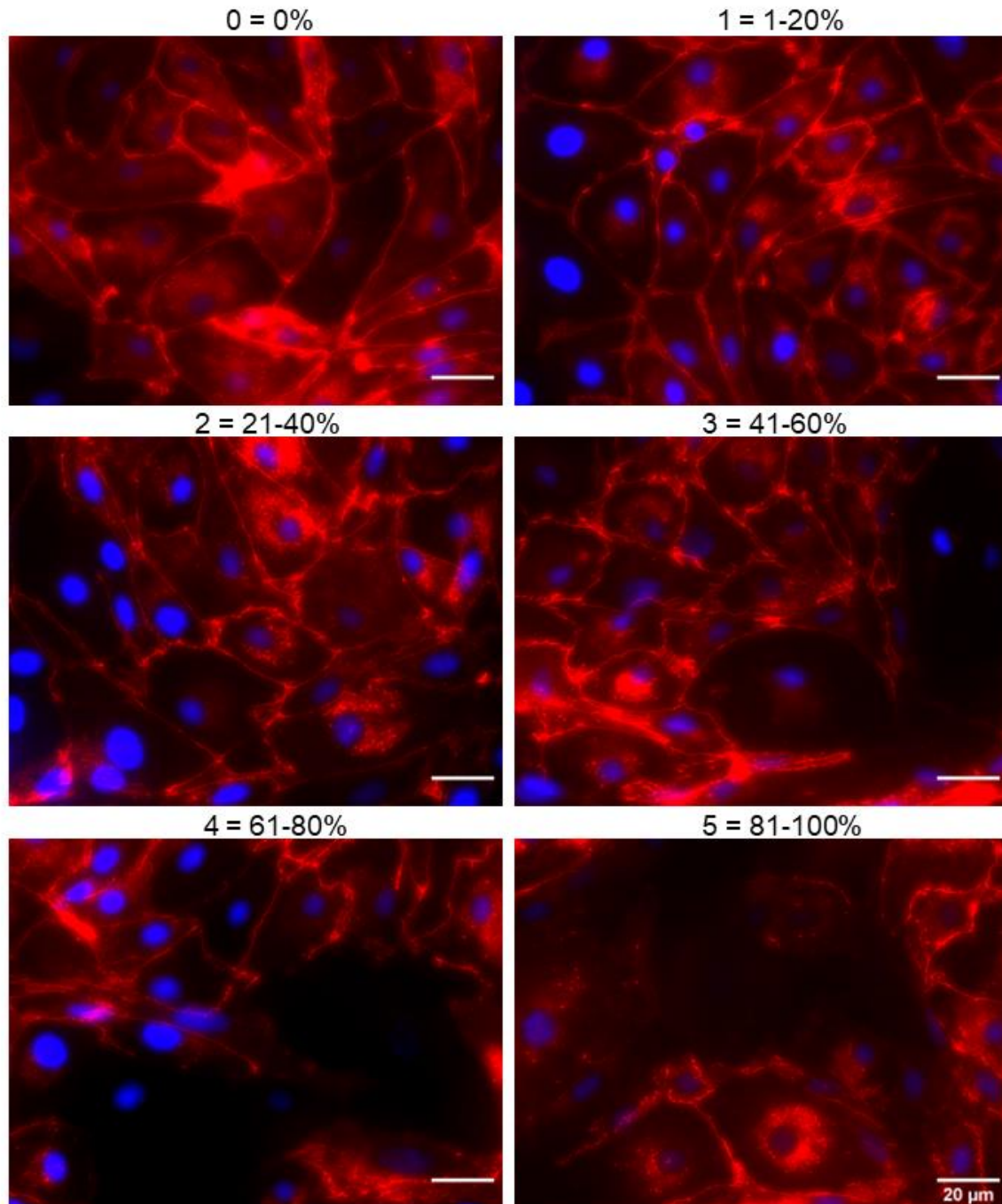


**Figure S1. Scoring system of VE-cadherin disruption.** To quantify the degree to which VE-cadherin was disrupted, a disruption score was created where the amount of VE-cadherin disruption was graded from 0 to 5 (0 = No disruption, 1-20% = 1, 21-40% = 2, 41-60% = 3, 61-80% = 4, 81-100% = 5). The disruption score was then determined by three independent reviewers blinded to treatment and condition and the mean of each category was used for statistical analysis.



**Figure S2. Scoring system of claudin5 disruption.** To quantify the degree to which claudin5 was disrupted, a disruption score was created where the amount of claudin5 disruption was graded from 0 to 5 (0 = No disruption, 1-20% = 1, 21-40% = 2, 41-60% = 3, 61-80% = 4, 81-100% = 5). The disruption score was then determined by three independent reviewers blinded to treatment and condition and the mean of each category was used for statistical analysis.