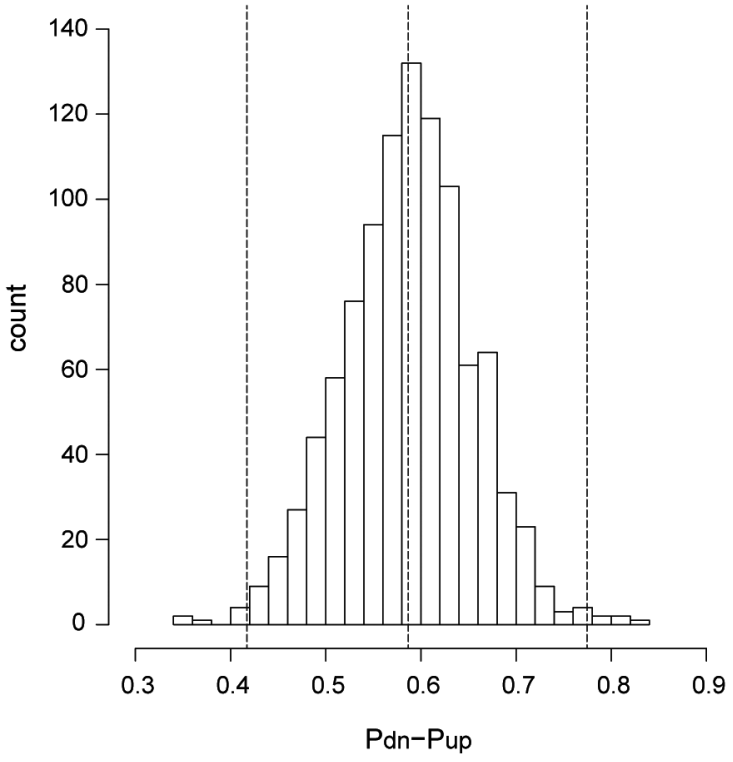

Supplementary Figure S1. The distribution of ΔP obtained by the bootstrap method based on 1000 resampling data sets. According to the general procedure of the method, ΔP was calculated, in one sampling step, as the difference between P_{dn} and P_{up}, each of which was obtained as the mean of the calculated values from the data set of (v_{dn}, v_s) and (v_{up}, v_s), respectively. Each data set was selected by systematic random sampling. Sampling step was repeated 1000 times and the obtained ΔP was shown in the histogram. The 99% confidence interval of ΔP settled between 0.4144 and 0.7736, indicated by broken lines at the left and the right sides, respectively.