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Supporting Information

High-throughput Computational Discovery of K_2CdO_2 as an Ion Conductor for Solid-State Potassium-Ion Batteries

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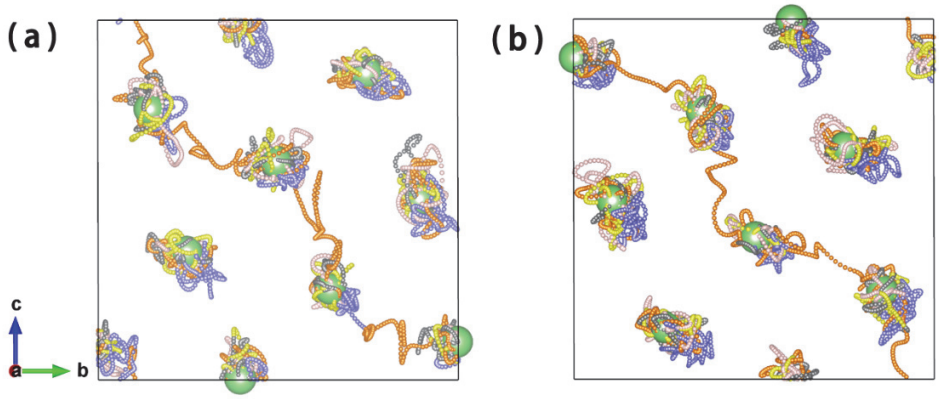

Figure S1. The FPMD trajectories of K^+ ions (a) at the upper layer of K^+ ions in *a* axis and (b) at the lower layer of K^+ ions, in which the small pink, grey, yellow, orange and blue balls indicate the trajectories within the time interval of 0~2, 3~4, 5~6, 7~8, 9~10 ps, respectively.

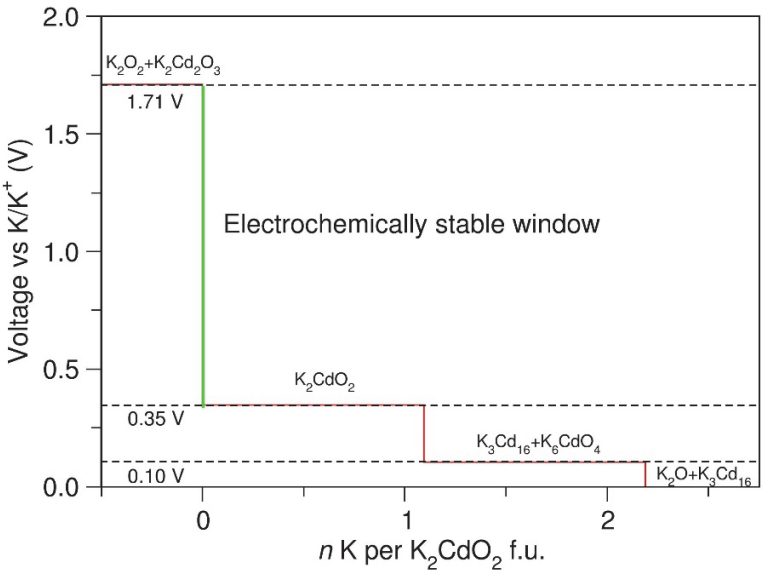

Figure S2. The electrochemical window determined by the thermostability of the phases within the K-Cd-O chemical space under various voltage vs K/K^+.