## **Supporting information**

## Polymeric Hole Transport Materials for Red CsPbI<sub>3</sub> Perovskite Quantum-dot Light-emitting Diodes

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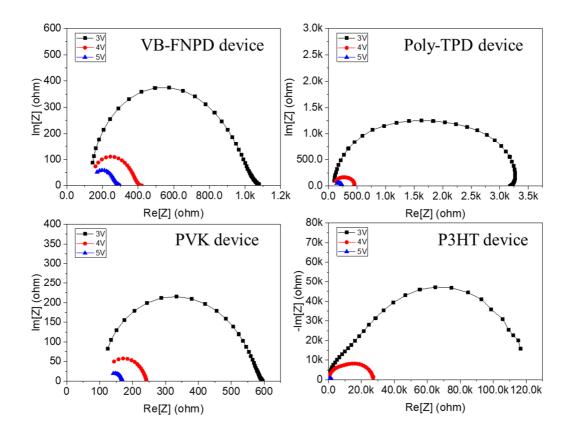


Figure S1 Impedance characteristics of IPQLED devices with different HTLs.