

**Supplementary Material for**  
**“Strongly bound excitons in monolayer PtS<sub>2</sub> and PtSe<sub>2</sub>”**

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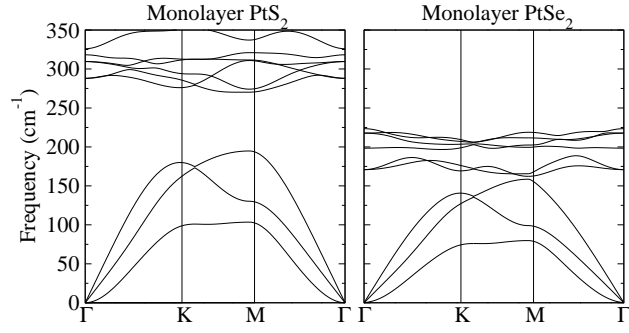


FIG. S1. Phonon band structure as obtained by PBE calculations using a  $2 \times 2 \times 1$  k-mesh.

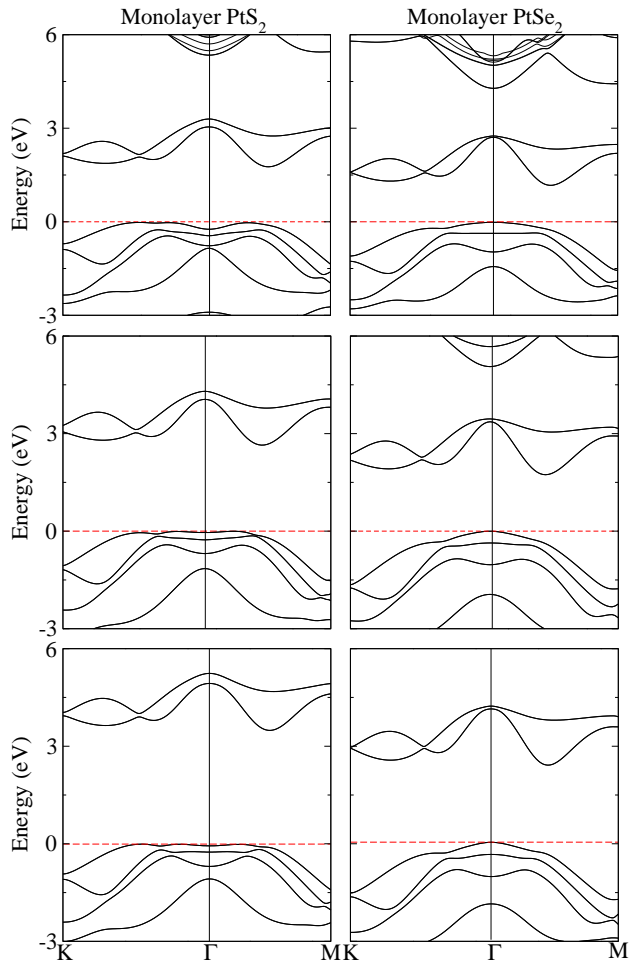


FIG. S2. Electronic band structures as obtained by PBE (top), HSE06 (middle), and  $G_0W_0$  (bottom) calculations using a  $6 \times 6 \times 1$  k-mesh.