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# Structural basis for Parkinson's disease-linked LRRK2's binding to microtubules

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Filament Type	Rotation (°)	Z-rise (Å)
LRRK2 <sup>FL</sup> /11-pf <sup>1</sup>	33.3	31.5
LRRK2 <sup>FL</sup> /12-pf <sup>1</sup>	30.3	28.8
LRRK2 <sup>RCKW</sup> /11-pf (Class 1)	33.4	33.3
LRRK2 <sup>RCKW</sup> /11-pf (Class 2)	32.5	33.6
LRRK2 <sup>RCKW</sup> /11-pf (Class 3)	33.4	33.9
LRRK2 <sup>RCKW</sup> /11-pf (Class 4)	33.4	32.0
LRRK2 <sup>RCKW</sup> /12-pf (Class 1)	30.4	30.8
LRRK2 <sup>RCKW</sup> /12-pf (Class 2)	30.4	31.2

**Supplementary Table 1 | Parameters observed for in vitro reconstituted LRRK2<sup>RCKW</sup> filaments (this work) compared to published full-length LRRK2 filaments in cells**

#### **Supplementary Material Reference**

1. Watanabe, R. *et al.* The In Situ Structure of Parkinson's Disease-Linked LRRK2. *Cell* **182**, 1508-1518.e16 (2020).