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Cell counting, imaging, and analysis

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Abstract

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1. Tile scan images containing the anterior cingulated cortex (ACC) and primary motor cortex (MOp) from P21 WT and LRRK2 G2019S$^{ki/ki}$; Aldh1l1-eGFP mice were acquired on a confocal Leica SP8 STED microscope using the galvo scanner and 20× objective.

2. For ALDH1L1-EGFP and SOX9 double positive cell counting in the ACC and MOp, the cells labeled with ALDH1L1-EGFP and SOX9 were counted manually using the cell counter tool in FIJI.

3. 2-4 sections per brain from 3 sex and age-matched mice/genotype were analyzed.