

Supplementary Information for

**Single-molecule electrochemical imaging of 'split waves' in the
electrocatalytic (EC') mechanism**

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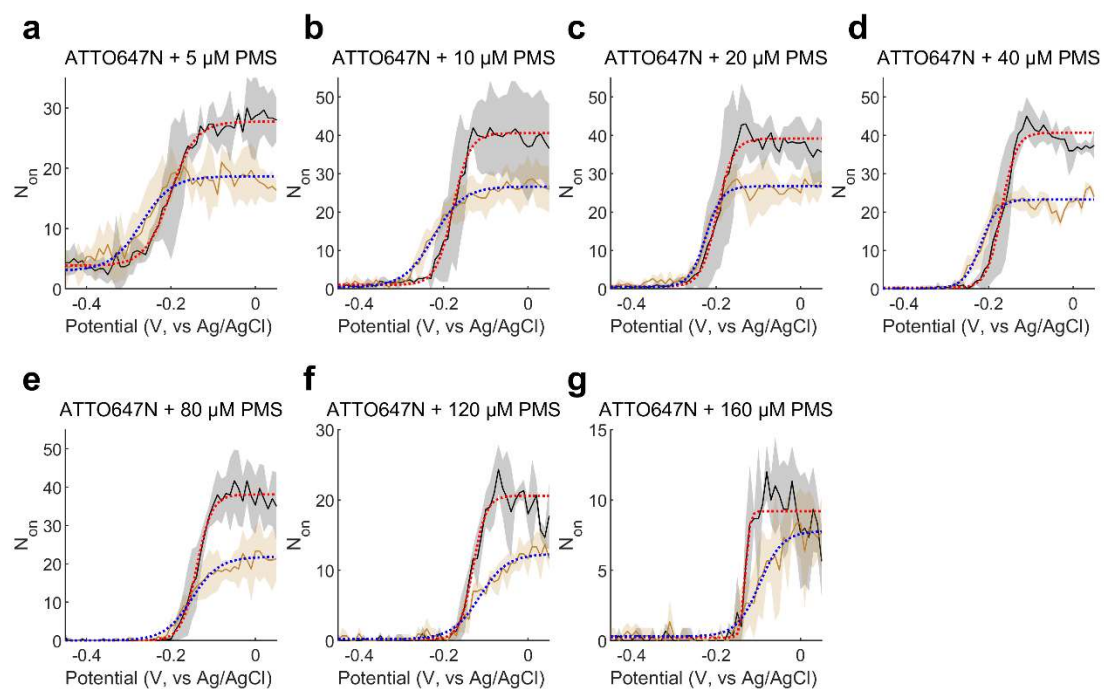


Fig. S1 Sigmoid curve ($f(x) = \frac{a}{1 + \exp(-k \cdot (x - E))} + d$, where E is the midpoint potential) fitting of single-molecule number (N_{on}) trajectories shown in Figure 2. (a) 5 μ M PMS, (b) 10 μ M PMS, (c) 20 μ M PMS, (d) 40 μ M PMS, (e) 80 μ M PMS, (f) 120 μ M PMS, and (g) 160 μ M PMS. Red dotted line: fitting to the forward scan (black); blue dotted line: fitting to the reverse scan (dark yellow).