**Lab record**

**Patch master automated estimation**

C-fast: 7.2 pF

C-slow: 178.25 pF

R-series: 35.0 MOhm

**General information**

All experiments were done with C-fast (auto) = 7.2pF, and C-slow and R-series set to model cell actual values.

Order *within* each experiment: (1) single step -> (2) sinewave -> (3) staircase -> (4) APs -> (5) ramps

**Each experiment within 20230510-Cfast\_auto**

E-3 (1): no compensation

E-4 (2): 20% for Rs+pred

E-5 (3): 40% for Rs+pred

E-6 (4): 60% for Rs+pred

E-7 (5): 80% for Rs+pred

E-8 (6): 95% for Rs+pred

E-9 (7): 20% for Rs only

E-10 (8): 40% for Rs only

E-11 (9): 60% for Rs only

E-12 (10): 80% for Rs only

E-13 (11): 95% for Rs only

E-14 (12): 95% for Rs + 20% pred

E-15 (13): 95% for Rs + 40% pred

E-16 (14): 95% for Rs + 60% pred

E-17 (15): 95% for Rs + 80% pred

E-18 (16): 95% for Rs + 95% pred

**Notes on protocols**

(1) Single step = two sweeps of (-100mV 20ms; 50mV 20ms; -100mV 20ms)

(4) APs = the artefact paper AP protocol

(5) ramps = (-80mV 50ms; ramp to 0mV for 0ms + 10ms \* 10 sweeps; 50mV till 150ms in total)