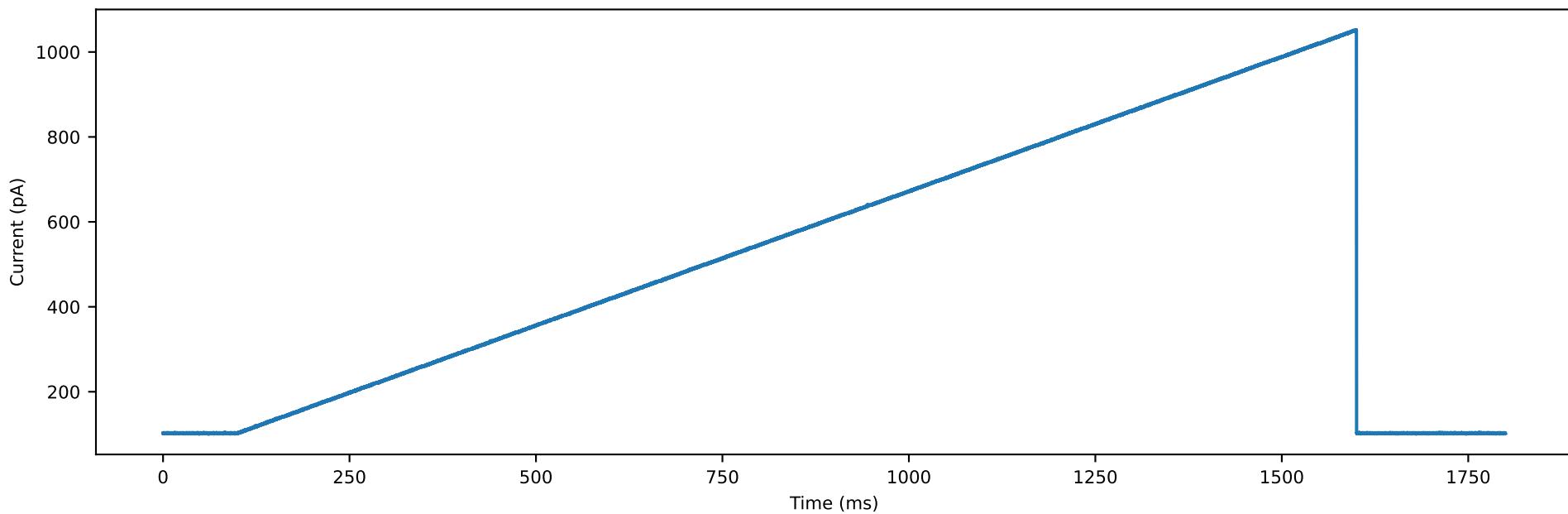
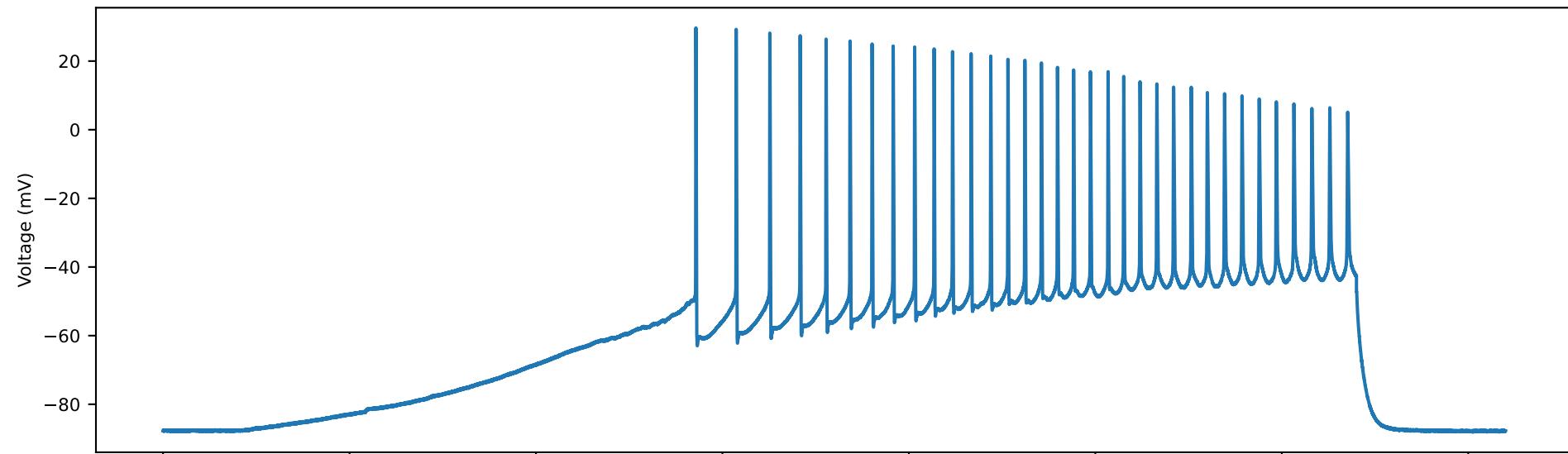


APThreshold (rep 1)

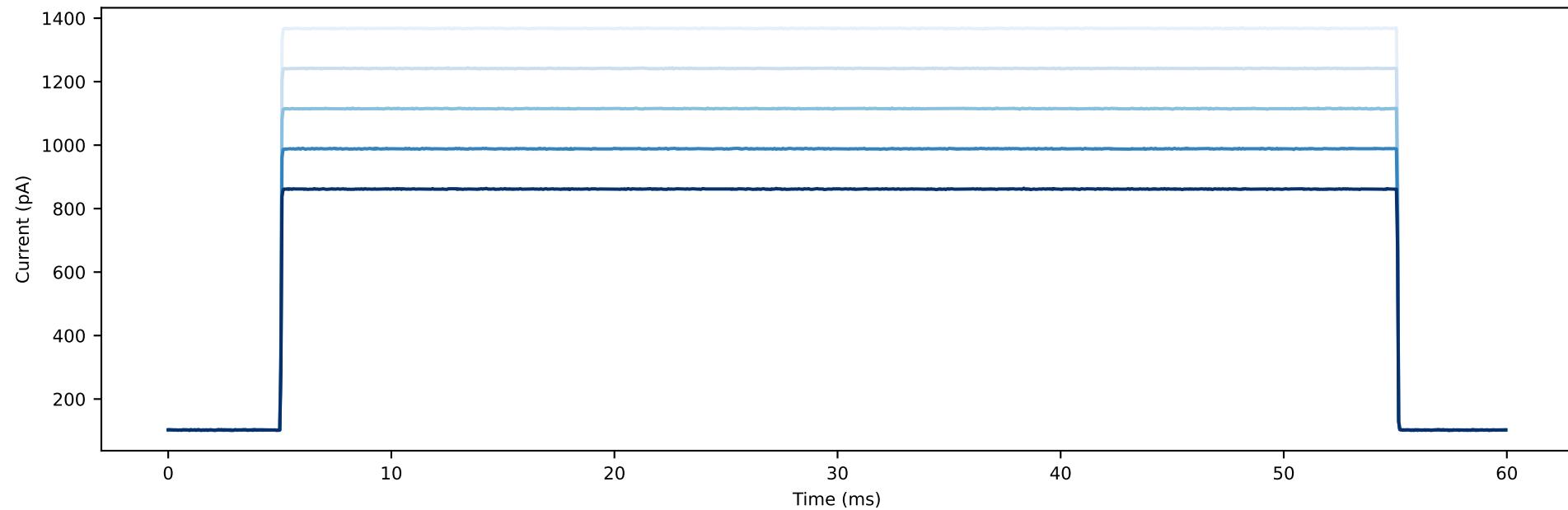
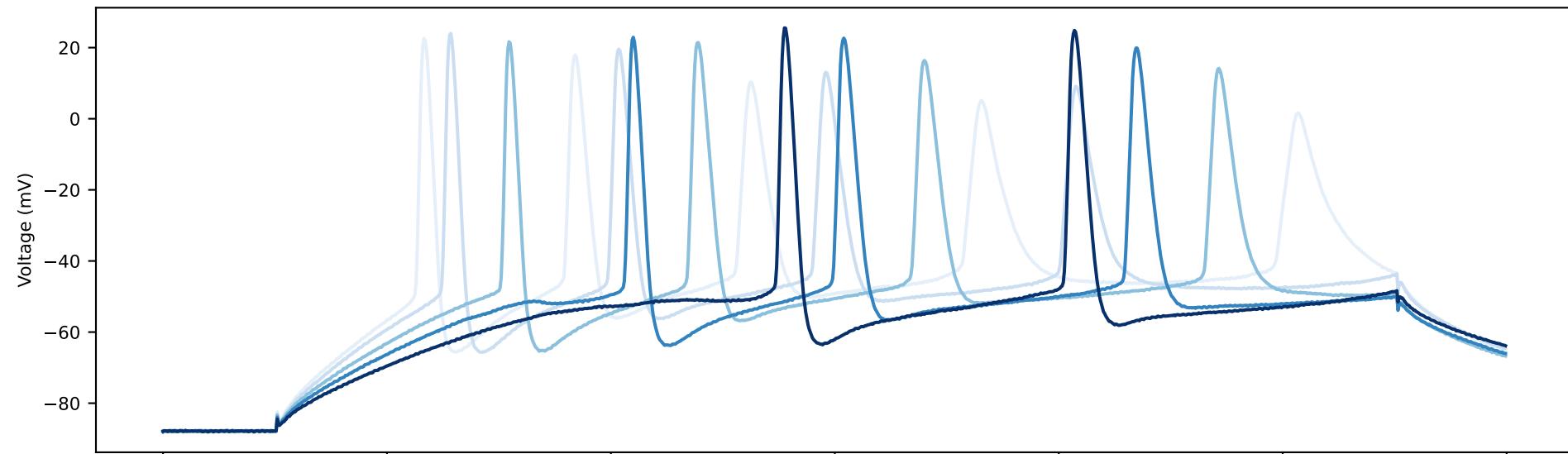


APThreshold

0:time_to_first_spike 1:AP1_begin_voltage 2:AP1_amp 3:APlast_amp
4:mean_AP_amplitude 5:inv_first_ISI 6:inv_last_ISI 7:ISI_log_slope
8:ISI_semilog_slope

	0	1	2	3	4	5	6	7	8
APThreshold_353: 577.31	614.5	-46.13	75.68	40.59	58.99	18.52	41.84	-0.19	-0.01

APWaveform (rep 1)

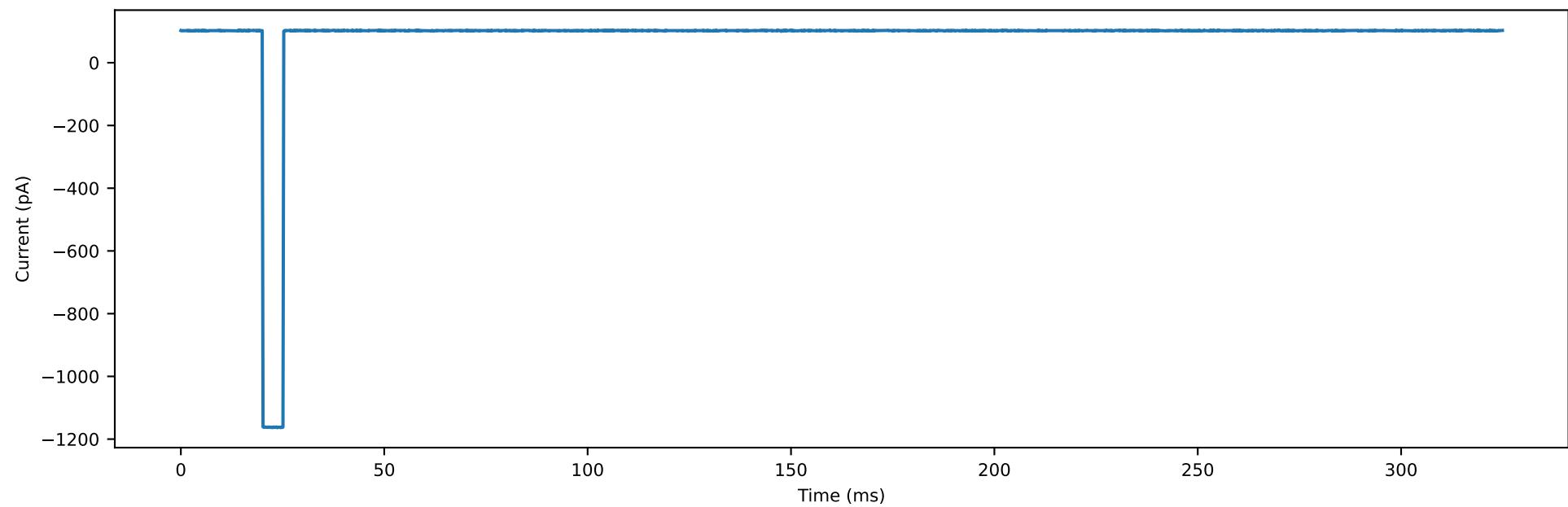
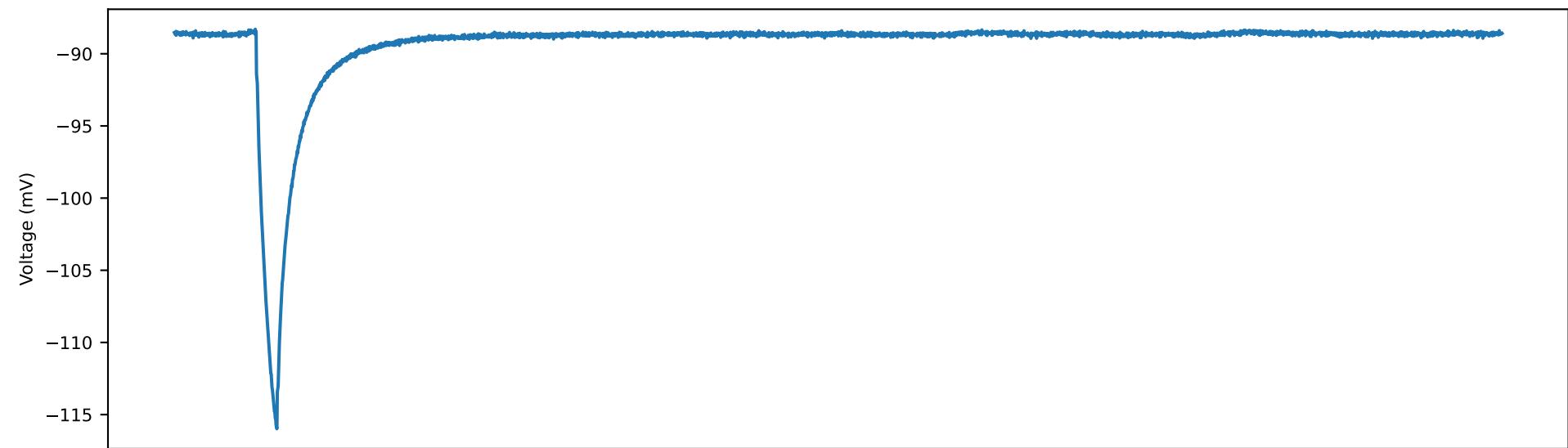


APWaveform

0:AP_amplitude 1:AP_fall_rate 2:AP_begin_voltage 3:AP_rise_rate
4:peak_voltage 5:spike_half_width 6:AHP_depth 7:AHP_depth_abs
8:AHP_time_from_peak

	0	1	2	3	4	5	6	7	8
APWaveform_372: 861.05	71.94	-62.49	-46.79	143.89	25.15	0.84	27.1	-60.76	1.8
APWaveform_373: 987.85	68.25	-55.46	-46.43	121.62	21.82	0.89	29.92	-57.85	2.0
APWaveform_374: 1114.19	64.02	-49.69	-45.8	109.04	18.23	0.97	32.0	-55.8	2.43
APWaveform_375: 1240.70	61.64	-47.4	-45.46	108.97	16.18	1.02	32.8	-55.03	2.4
APWaveform_376: 1366.74	55.92	-40.31	-44.65	83.77	11.26	1.09	33.37	-54.51	2.78

Delta (rep 1)

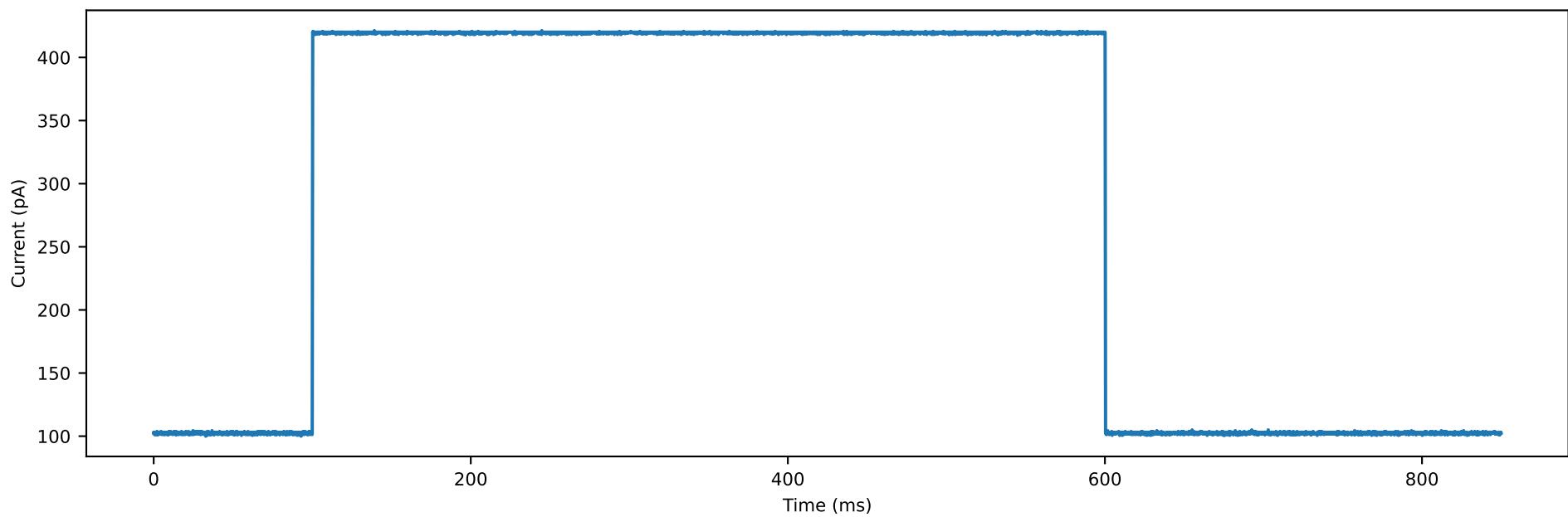
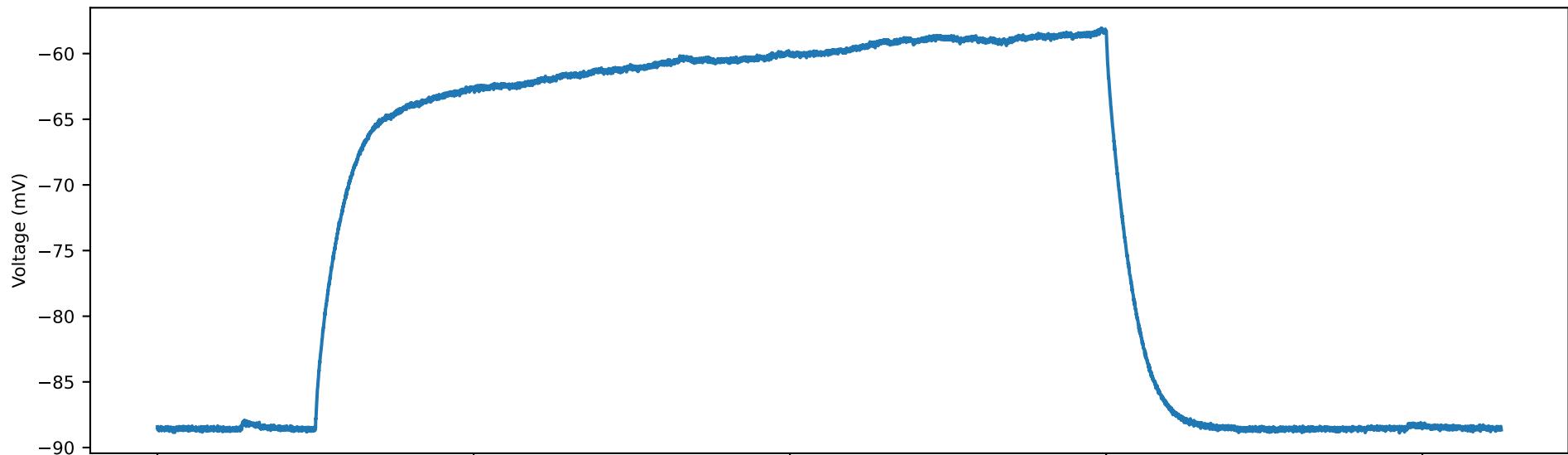


Delta

0:voltage_base 1:steady_state_voltage 2:steady_state_voltage_stimend 3:decay_time_constant_after_stim

	0	1	2	3
Delta_418: -1153.11	-88.49	-89.12	-115.18	5.82

HighResThResp (rep 1)

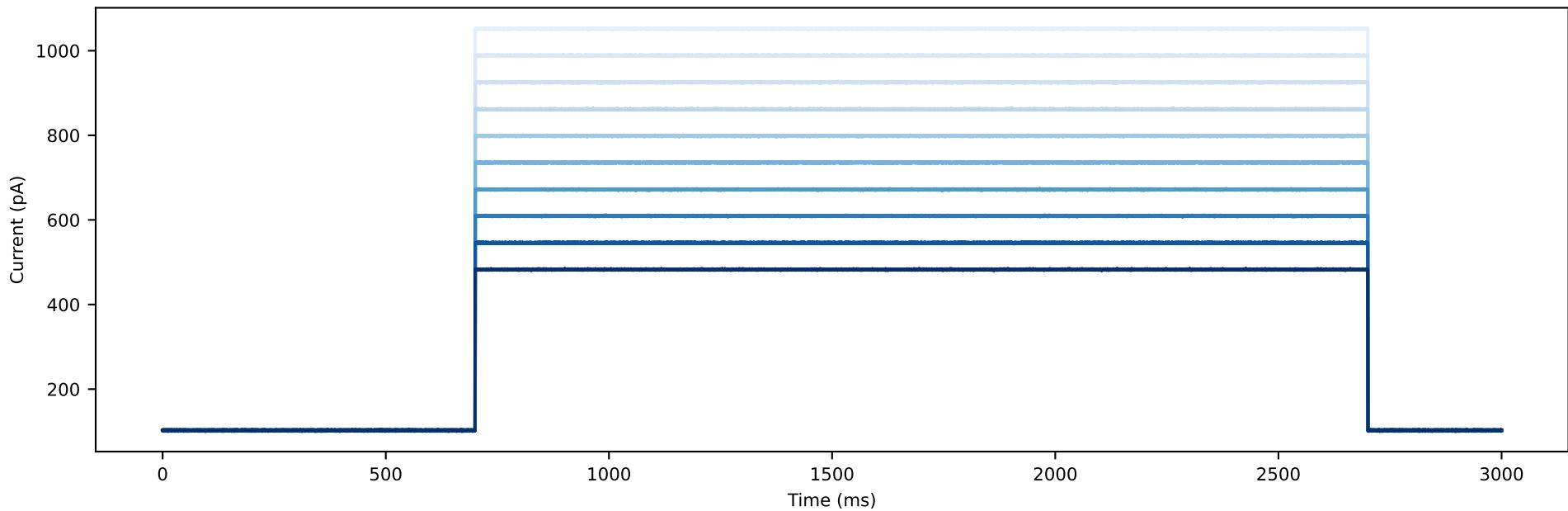
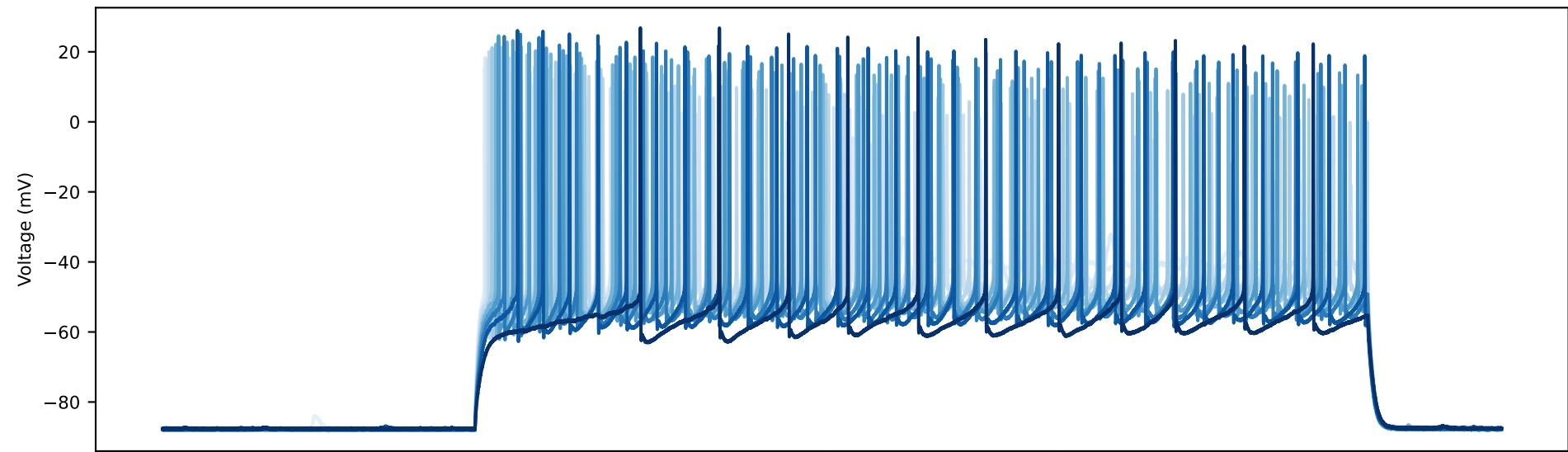


HighResThResp

0:Spikecount

	0	
HighResThResp_415: 419.72		0.0

IDrest (rep 1)

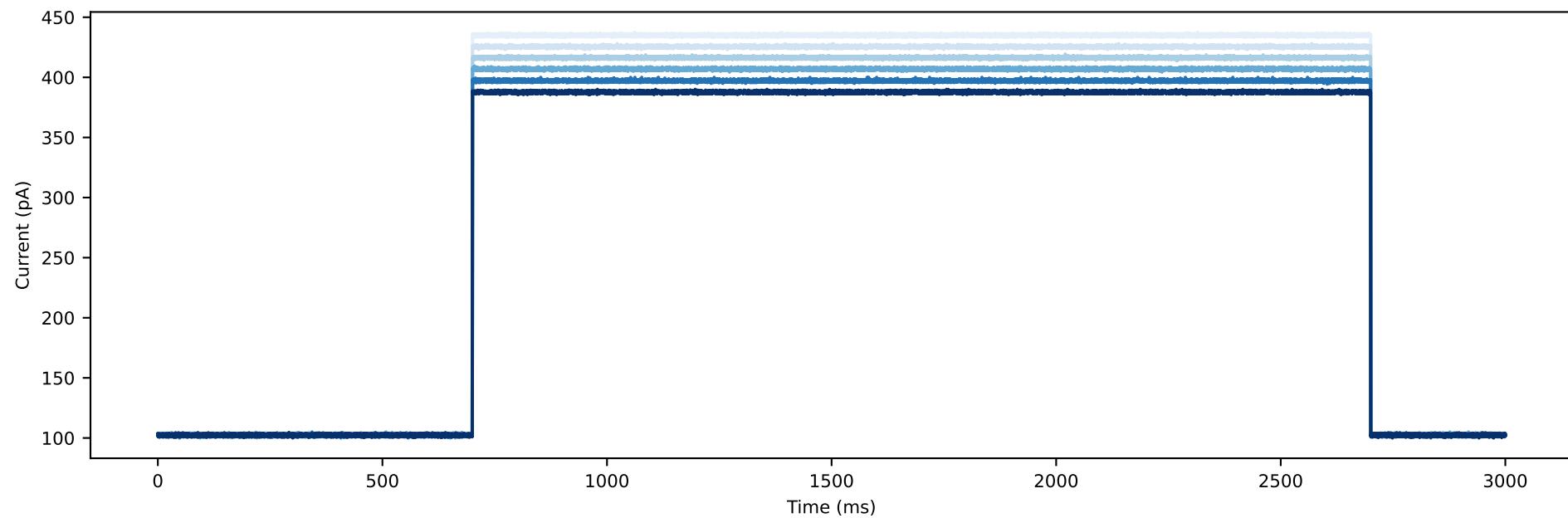
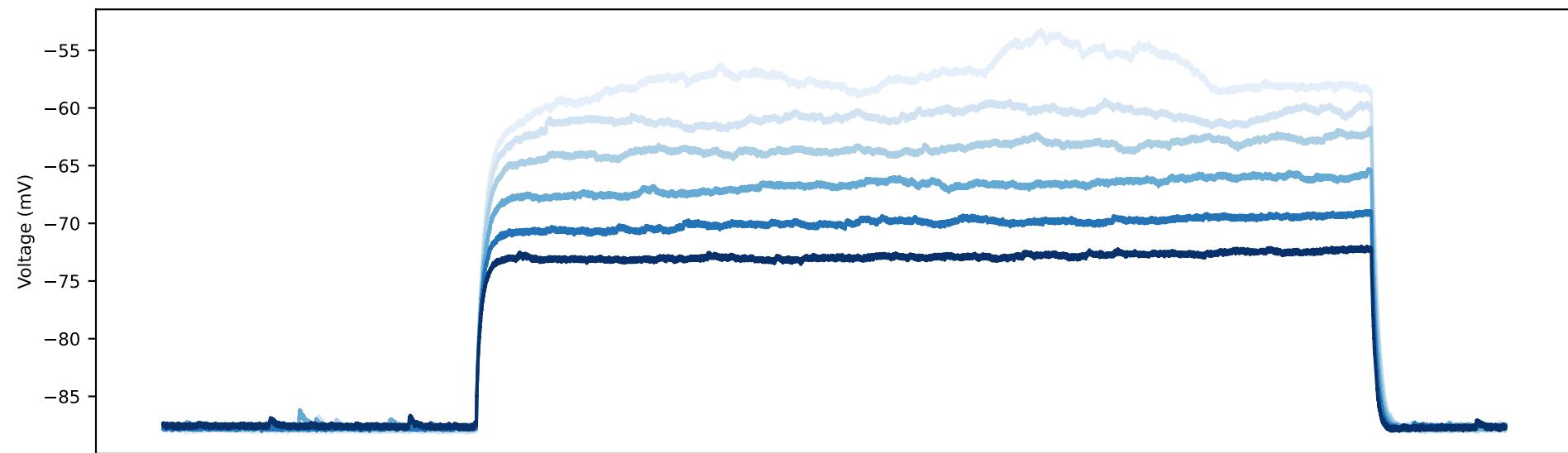


IDrest

0:AHP_depth 1:AHP_depth_abs 2:AHP_depth_abs_slow 3:AHP_slow_time
 4:AHP_time_from_peak 5:AP_amplitude 6:AP_begin_voltage 7:AP_fall_rate
 8:AP_rise_rate 9:ISI_CV 10:Spikecount 11:adaptation_index2
 12:inv_first_ISI 13:mean_frequency 14:min_voltage_between_spikes 15:peak_voltage
 16:spike_half_width 17:steady_state_voltage 18:time_to_first_spike 19:voltage_base

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
IDrest_383: 482.74	27.25	-60.39	-61.2	0.12	1.78	70.13	-46.28	-65.19	129.86	0.09	11.0	-0.0	5.65	5.86	-61.39	23.85	0.8	-86.13	370.4	-87.64
IDrest_384: 545.85	28.9	-58.72	-58.07	0.23	1.75	66.64	-45.65	-62.7	112.62	0.08	29.0	0.01	17.57	14.55	-58.75	20.99	0.82	-86.39	95.2	-87.61
IDrest_385: 609.55	30.41	-57.34	-56.46	0.24	1.73	63.96	-45.12	-59.31	104.49	0.1	38.0	0.0	27.62	19.5	-57.38	18.84	0.84	-86.22	65.4	-87.76
IDrest_386: 671.85	31.95	-55.92	-55.04	0.29	1.74	61.23	-44.66	-55.43	95.1	0.07	46.0	0.0	31.15	23.26	-55.95	16.58	0.87	-86.61	52.7	-87.87
IDrest_387: 735.48	33.6	-54.3	-53.87	0.32	1.76	58.06	-44.07	-51.98	84.49	0.09	52.0	0.0	39.53	26.16	-54.39	13.99	0.91	-86.55	46.7	-87.9
IDrest_388: 798.79	34.91	-53.0	-52.94	0.33	1.8	54.85	-43.37	-48.69	75.45	0.1	54.0	0.0	45.25	27.11	-53.3	11.48	0.95	-86.5	38.2	-87.9
IDrest_389: 861.63	36.32	-51.49	-51.56	0.35	2.16	49.98	-42.35	-43.01	62.77	0.11	57.0	0.0	52.36	28.52	-51.82	7.63	1.05	-86.13	31.4	-87.81
IDrest_390: 925.30	38.94	-48.8	-50.43	0.38	1.92	43.13	-40.25	-37.98	50.06	0.33	53.0	0.02	59.17	27.0	-50.69	2.89	2.33	-86.05	27.3	-87.74
IDrest_391: 988.58	39.04	-48.64	-50.48	0.38	2.0	43.29	-41.0	-36.42	49.68	0.18	36.0	0.01	64.1	30.55	-50.86	2.29	1.19	-85.9	22.2	-87.68
IDrest_392: 1051.95	39.6	-48.05	-50.19	0.37	2.09	41.21	-40.83	-35.01	45.45	0.42	27.0	0.03	78.12	29.79	-50.67	0.39	3.16	-85.92	21.3	-87.65

IDthresh-sub (rep 1)

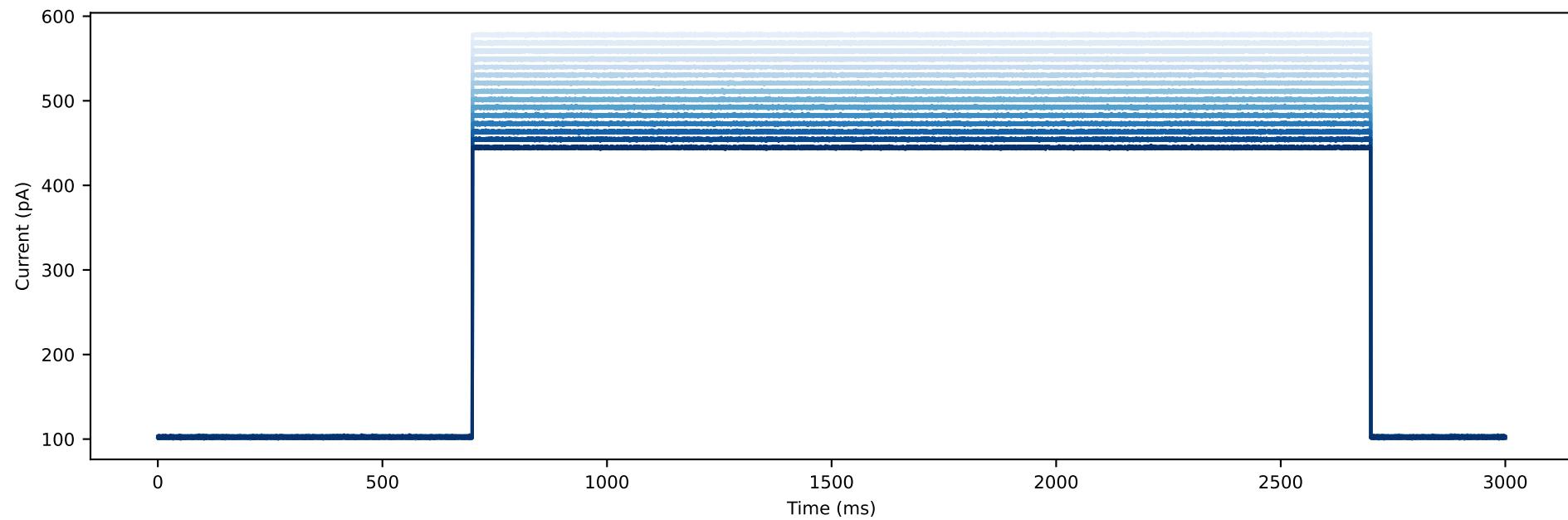
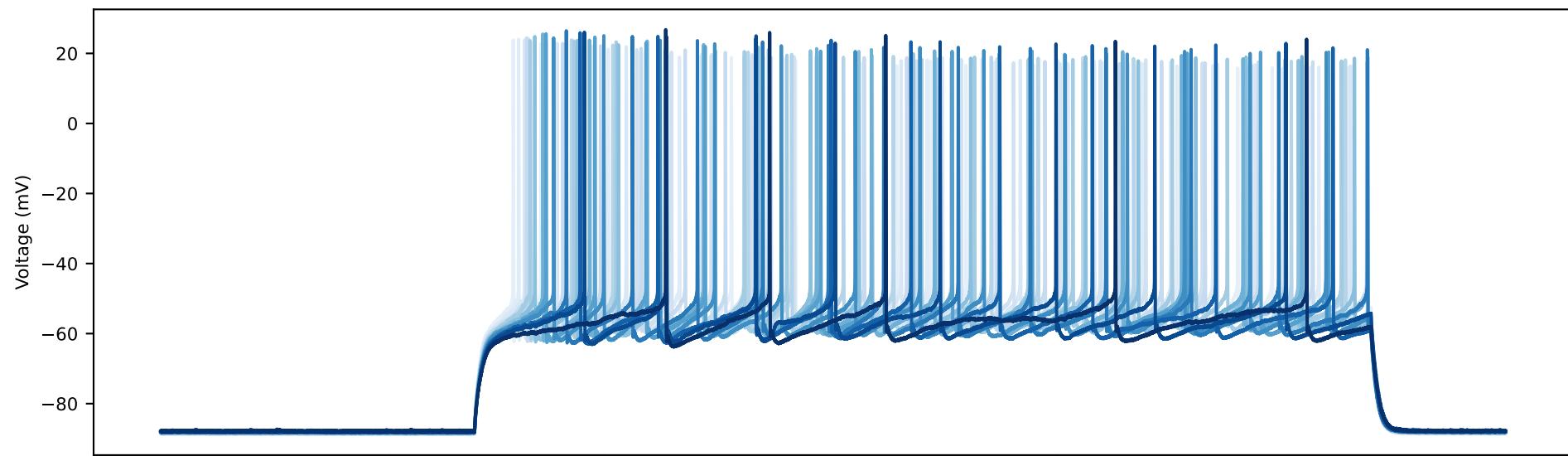


IDthresh-sub

0:voltage_base 1:steady_state_voltage 2:steady_state_voltage_stimend 3:decay_time_constant_after_stim
4:voltage_deflection 5:voltage_deflection_begin 6:voltage_deflection_vb_ssse 7:Spikecount

	0	1	2	3	4	5	6	7
IDthresh_393: 387.61	-87.61	-87.28	-72.37	8.66	15.3	14.46	15.24	0.0
IDthresh_394: 397.25	-87.7	-87.04	-69.31	10.9	18.61	17.03	18.39	0.0
IDthresh_395: 406.86	-87.65	-86.83	-65.97	12.88	22.08	19.97	21.68	0.0
IDthresh_396: 416.38	-87.77	-86.66	-62.5	14.26	25.91	23.46	25.27	0.0
IDthresh_397: 425.50	-87.87	-86.58	-60.13	15.01	27.85	26.35	27.75	0.0
IDthresh_398: 435.08	-87.88	-86.49	-58.15	15.03	29.26	28.19	29.74	0.0

IDthresh (rep 1)

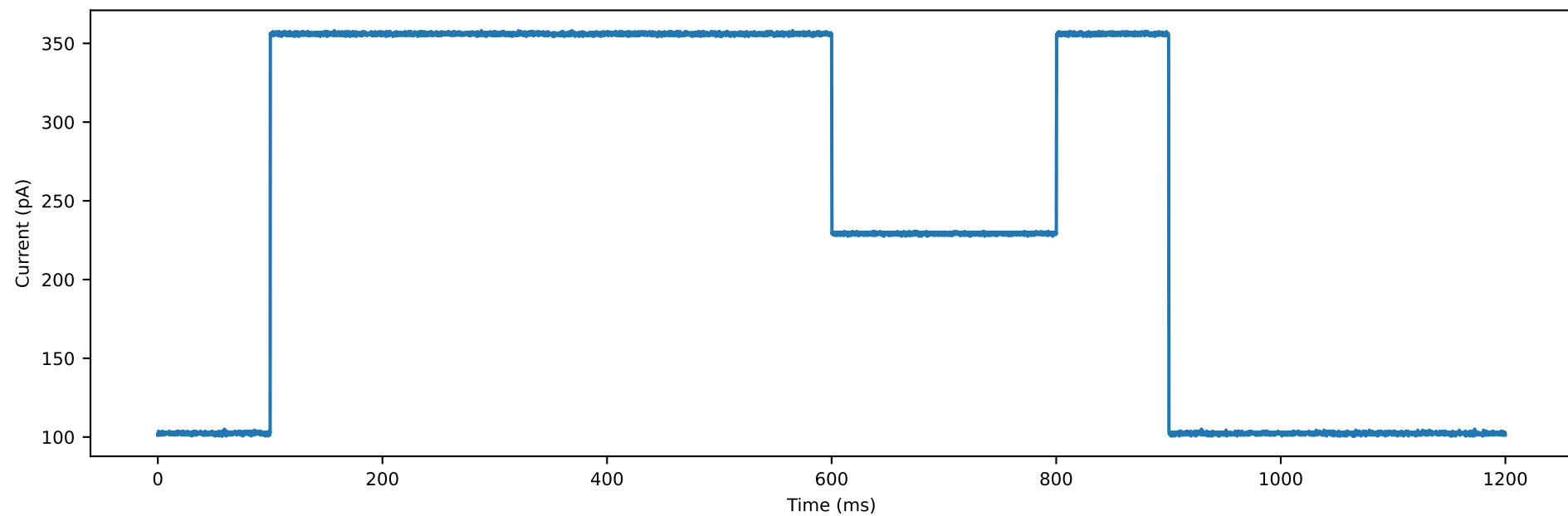
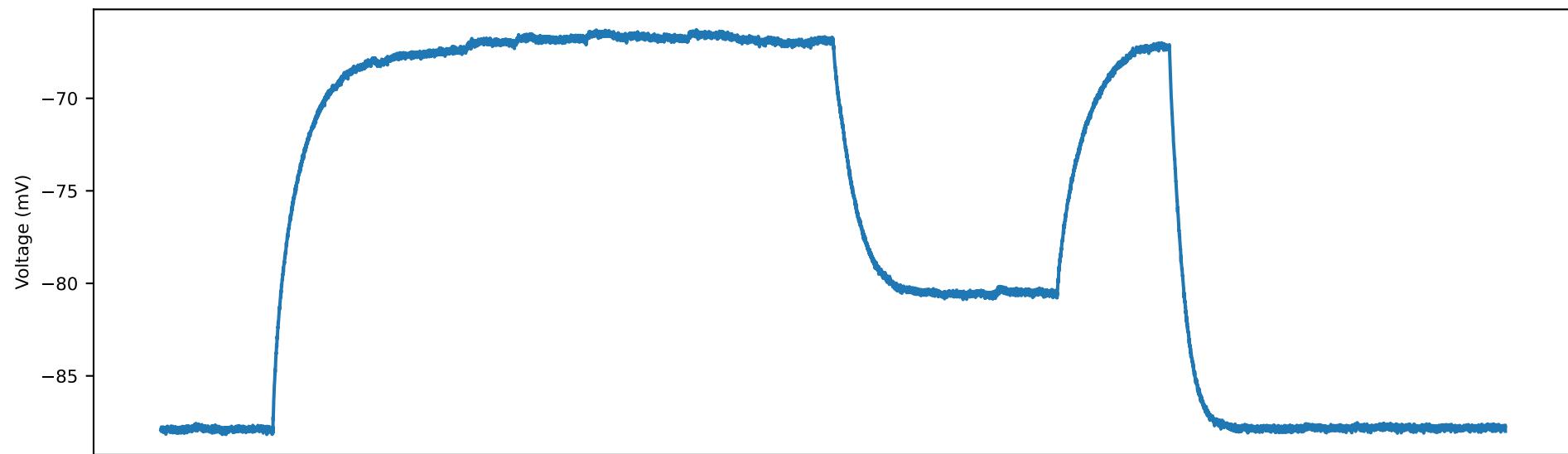


IDthresh

0:AHP_depth 1:AHP_depth_abs 2:AHP_depth_abs_slow 3:AHP_slow_time
 4:AHP_time_from_peak 5:AP_amplitude 6:AP_begin_voltage 7:AP_fall_rate
 8:AP_rise_rate 9:ISI_CV 10:Spikecount 11:adaptation_index2
 12:inv_first_ISI 13:mean_frequency 14:min_voltage_between_spikes 15:peak_voltage
 16:spike_half_width 17:steady_state_voltage 18:time_to_first_spike 19:voltage_base

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
IDthresh_399: 444.74	27.51	-60.32	-62.46	0.06	1.86	71.61	-46.54	-63.25	128.83	0.32	5.0	0.12	4.31	2.69	-62.81	25.07	0.83	-86.39	426.4	-87.83
IDthresh_400: 454.36	28.16	-59.88	-61.85	0.09	1.76	70.05	-46.35	-64.11	119.74	0.18	8.0	0.04	5.45	4.42	-62.04	23.7	0.84	-86.32	245.0	-88.04
IDthresh_401: 463.30	28.24	-59.89	-61.69	0.1	1.8	69.7	-46.37	-63.67	118.86	0.19	9.0	0.02	5.76	4.7	-61.86	23.33	0.84	-86.66	235.5	-88.13
IDthresh_402: 472.91	28.42	-59.69	-60.97	0.12	1.79	68.72	-46.3	-63.48	113.23	0.15	12.0	0.02	6.78	6.02	-61.13	22.42	0.84	-86.71	204.7	-88.11
IDthresh_403: 482.75	28.91	-59.19	-60.7	0.13	1.74	67.75	-46.12	-62.66	111.11	0.13	13.0	0.01	8.93	6.84	-60.81	21.63	0.84	-86.39	176.4	-88.1
IDthresh_404: 492.41	28.74	-59.34	-60.64	0.12	1.82	68.09	-46.49	-61.33	114.64	0.15	13.0	0.01	9.17	6.82	-60.8	21.6	0.84	-86.51	159.4	-88.09
IDthresh_405: 501.45	29.18	-59.04	-60.29	0.14	1.82	67.34	-46.25	-60.58	113.8	0.06	15.0	0.01	9.62	7.53	-60.43	21.08	0.84	-86.86	152.4	-88.22
IDthresh_406: 510.97	29.5	-58.8	-59.72	0.15	1.76	66.27	-46.06	-60.28	110.08	0.1	17.0	0.01	10.53	8.66	-59.89	20.21	0.85	-86.82	134.3	-88.29
IDthresh_407: 520.63	29.61	-58.71	-59.51	0.17	1.78	66.19	-46.36	-60.71	102.65	0.12	18.0	0.01	10.24	9.31	-59.63	19.83	0.85	-86.87	123.8	-88.32
IDthresh_408: 530.28	29.93	-58.55	-59.45	0.15	1.76	65.69	-46.14	-60.49	103.56	0.1	18.0	0.01	10.91	9.26	-59.61	19.55	0.85	-86.97	124.4	-88.47
IDthresh_409: 539.91	29.94	-58.51	-59.21	0.16	1.77	65.18	-45.92	-59.82	103.32	0.12	20.0	0.01	12.39	10.05	-59.37	19.26	0.86	-87.13	116.1	-88.45
IDthresh_410: 549.27	30.45	-58.03	-58.82	0.18	1.78	64.79	-45.68	-59.49	105.79	0.13	20.0	0.0	12.12	10.33	-59.0	19.11	0.86	-86.93	119.5	-88.48
IDthresh_411: 558.81	30.73	-57.7	-58.4	0.19	1.75	64.3	-45.45	-59.03	101.03	0.11	22.0	0.01	13.81	11.26	-58.56	18.85	0.86	-87.01	111.7	-88.43
IDthresh_412: 568.36	30.87	-57.57	-57.95	0.2	1.73	63.71	-45.35	-59.72	99.08	0.07	25.0	0.0	16.05	12.74	-58.13	18.36	0.87	-87.06	98.2	-88.44
IDthresh_413: 577.98	31.18	-57.42	-57.66	0.21	1.74	63.32	-45.32	-58.29	98.14	0.06	26.0	0.0	16.29	13.36	-57.88	18.0	0.87	-87.01	86.3	-88.6

IRdepol (rep 1)

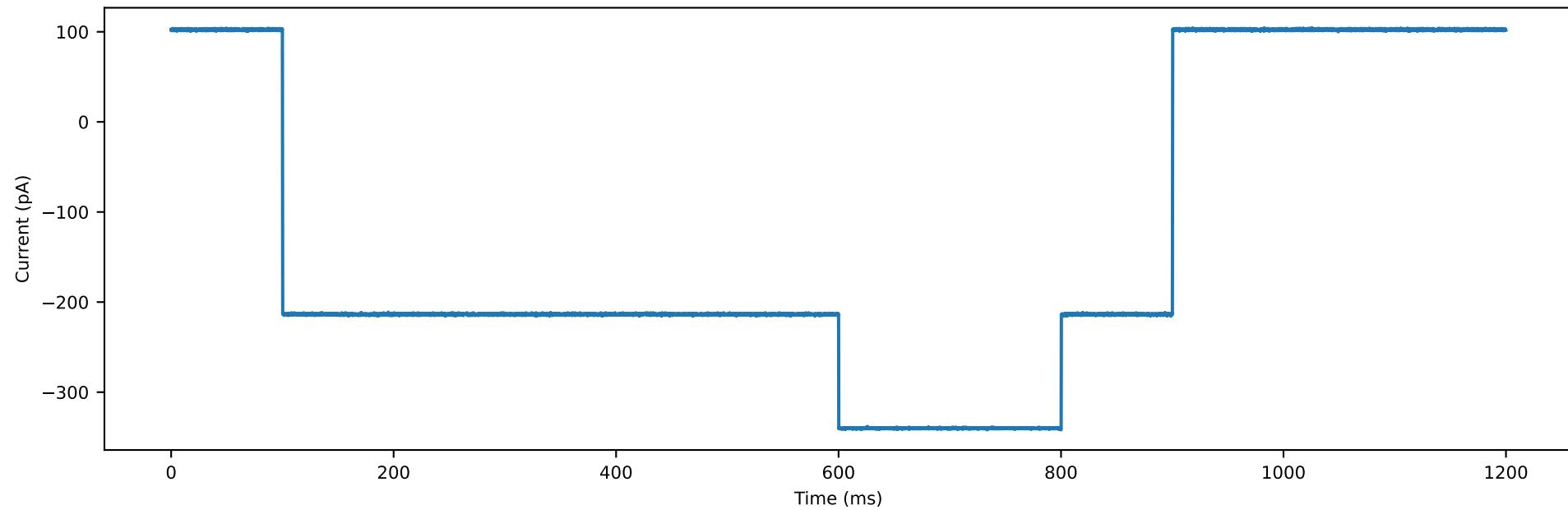
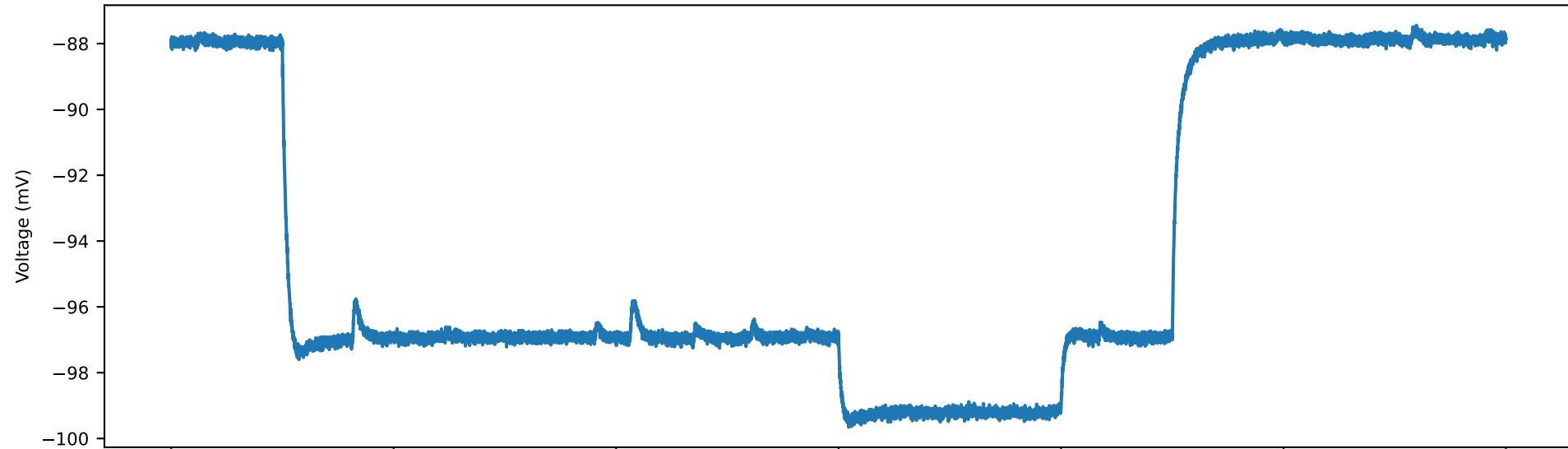


IRdepol

0:voltage_base 1:steady_state_voltage_stimend 2:decay_time_constant_after_stim 3:voltage_deflection_vb_ssse
4:ohmic_input_resistance_vb_ssse

	0	1	2	3	4
IRdepol_370: 229.41	-66.95	-80.51	22.41	-13.56	160.89

IRhyperpol (rep 1)

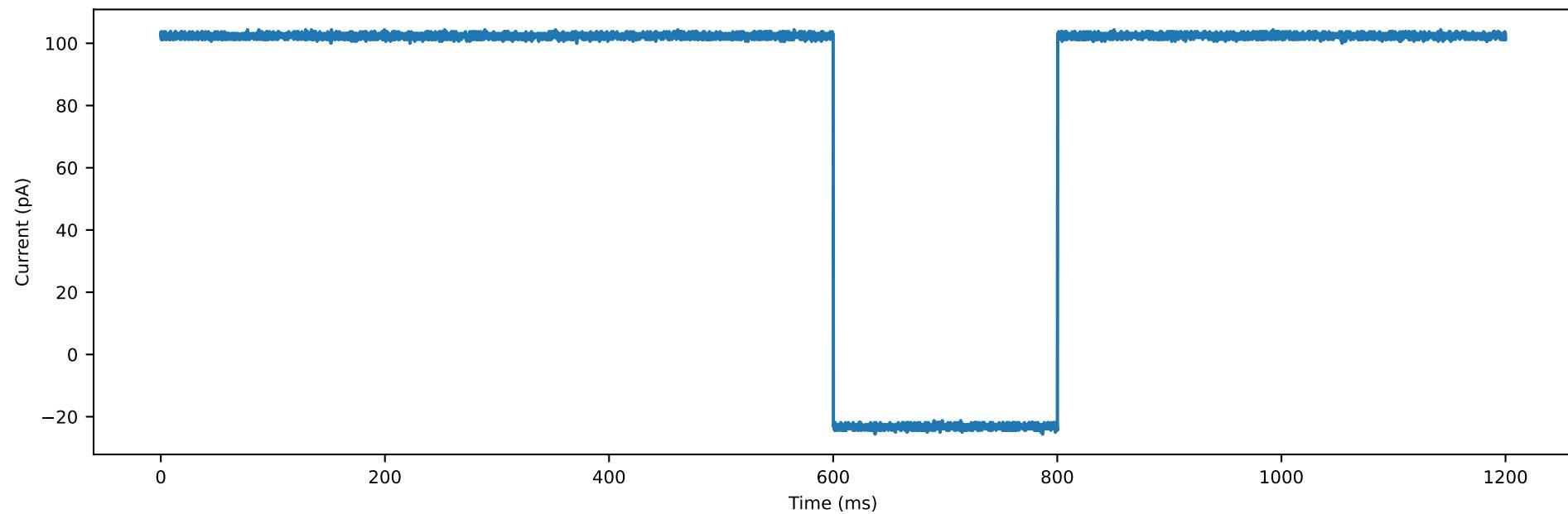
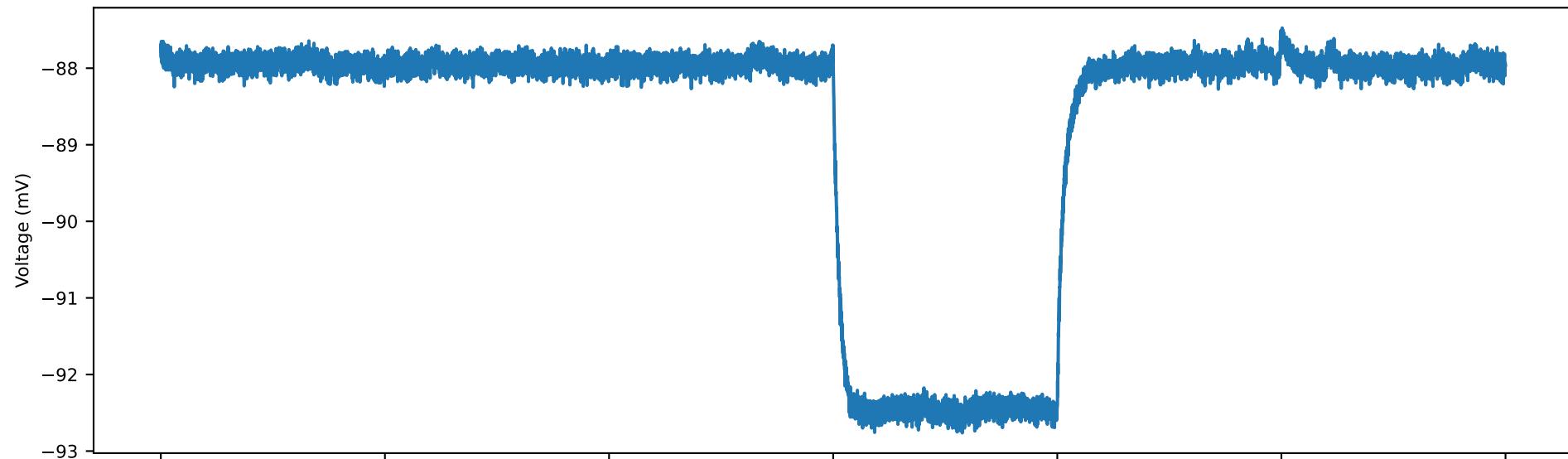


IRhyperpol

0:voltage_base 1:steady_state_voltage_stimend 2:decay_time_constant_after_stim 3:voltage_deflection_vb_ssse
4:ohmic_input_resistance_vb_ssse

	0	1	2	3	4
IRhyperpol_369: -340.09	-96.9	-99.19	3.17	-2.29	12.78

IRest (rep 1)

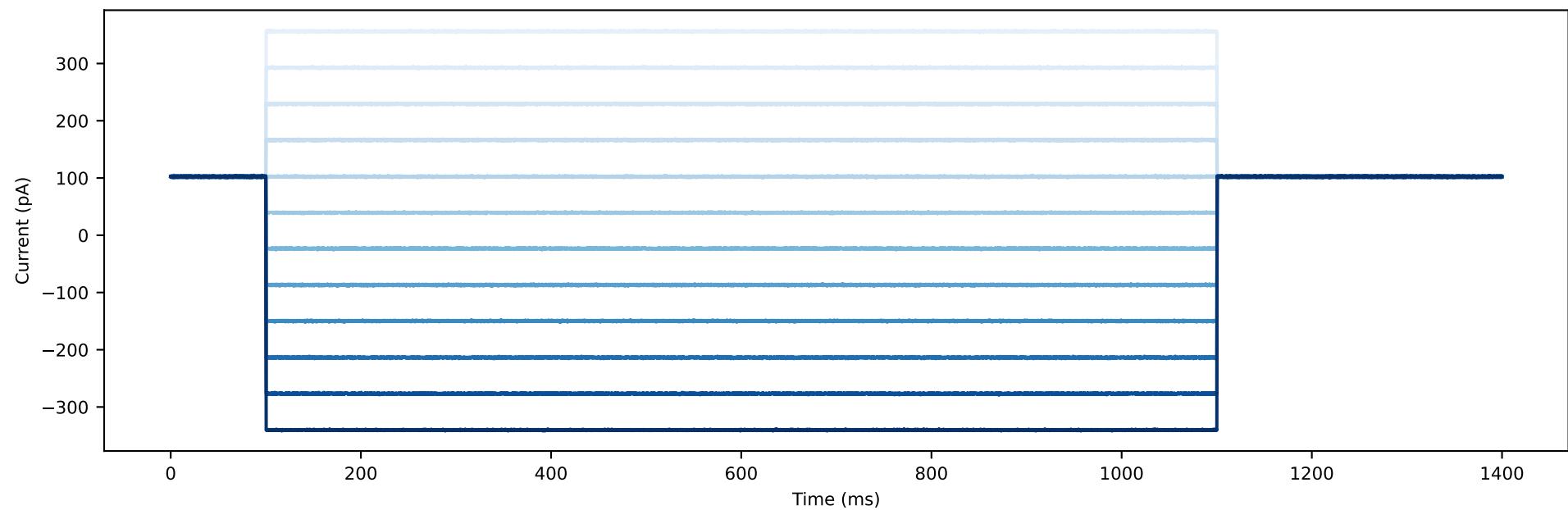
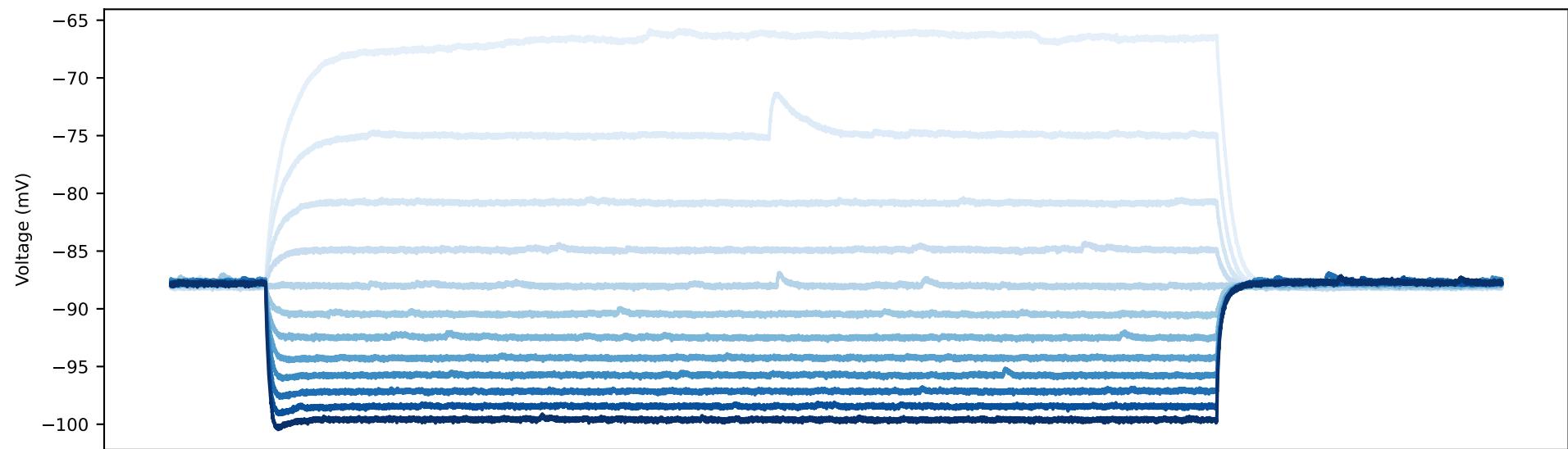


IRrest

0:voltage_base 1:steady_state_voltage_stimend 2:decay_time_constant_after_stim 3:voltage_deflection_vb_ssse
4:ohmic_input_resistance_vb_ssse

	0	1	2	3	4
IRrest_368: -23.21	-87.95	-92.47	6.91	-4.51	35.92

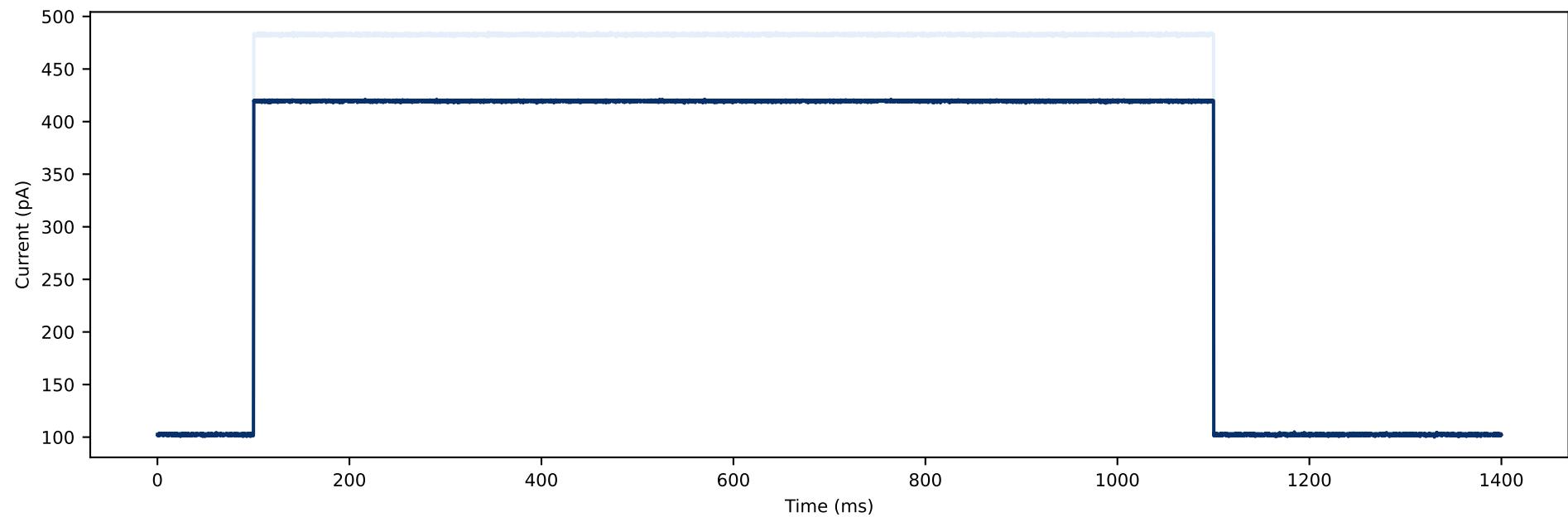
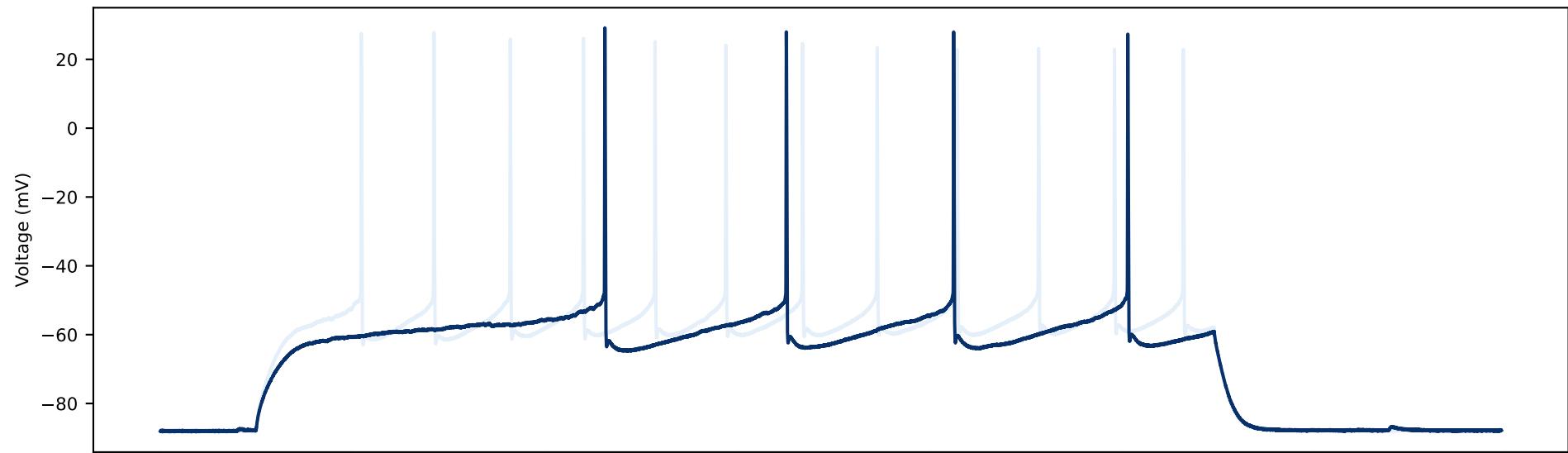
IV (rep 1)



0:voltage_base 1:steady_state_voltage 2:steady_state_voltage_stimend 3:decay_time_constant_after_stim
 4:voltage_deflection 5:voltage_deflection_begin 6:voltage_deflection_vb_ssse 7:Spikecount

	0	1	2	3	4	5	6	7
IV_354: -340.10	-87.76	-87.89	-99.6	3.31	-11.86	-11.76	-11.84	0.0
IV_355: -276.69	-87.73	-87.9	-98.45	3.67	-10.69	-10.71	-10.71	0.0
IV_356: -213.54	-87.71	-87.84	-97.1	4.96	-9.32	-9.47	-9.38	0.0
IV_357: -149.85	-87.54	-87.87	-95.77	5.35	-8.08	-8.11	-8.23	0.0
IV_358: -86.84	-87.79	-87.9	-94.24	4.55	-6.45	-6.47	-6.46	0.0
IV_359: -23.23	-87.85	-87.97	-92.46	5.22	-4.53	-4.6	-4.62	0.0
IV_360: 39.76	-87.86	-88.0	-90.49	4.66	-2.79	-2.7	-2.64	0.0
IV_361: 102.41	-88.0	-88.03	-88.04	30.35	-0.0	-0.05	-0.03	0.0
IV_362: 166.30	-88.08	-88.0	-84.89	7.26	3.25	3.19	3.19	0.0
IV_363: 229.42	-88.08	-87.86	-80.79	8.58	7.32	7.27	7.29	0.0
IV_364: 292.73	-87.97	-87.62	-74.94	10.14	13.02	12.83	13.03	0.0
IV_365: 356.04	-88.06	-87.12	-66.59	13.57	21.61	19.97	21.48	0.0

IV-supra (rep 1)

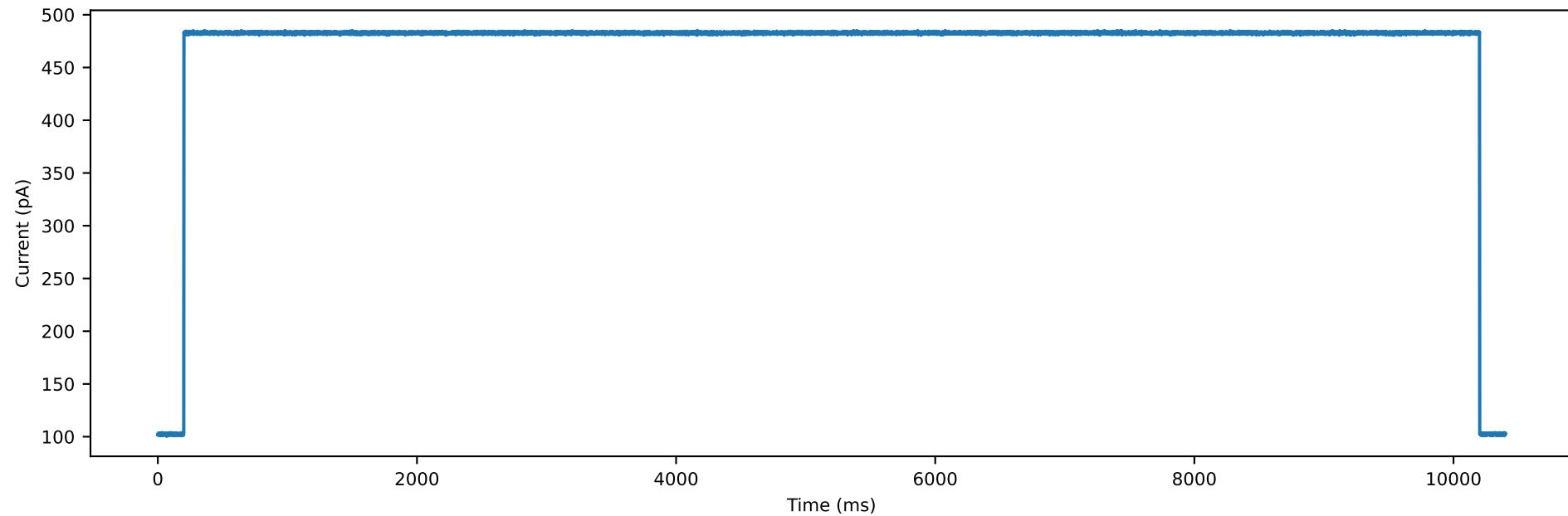
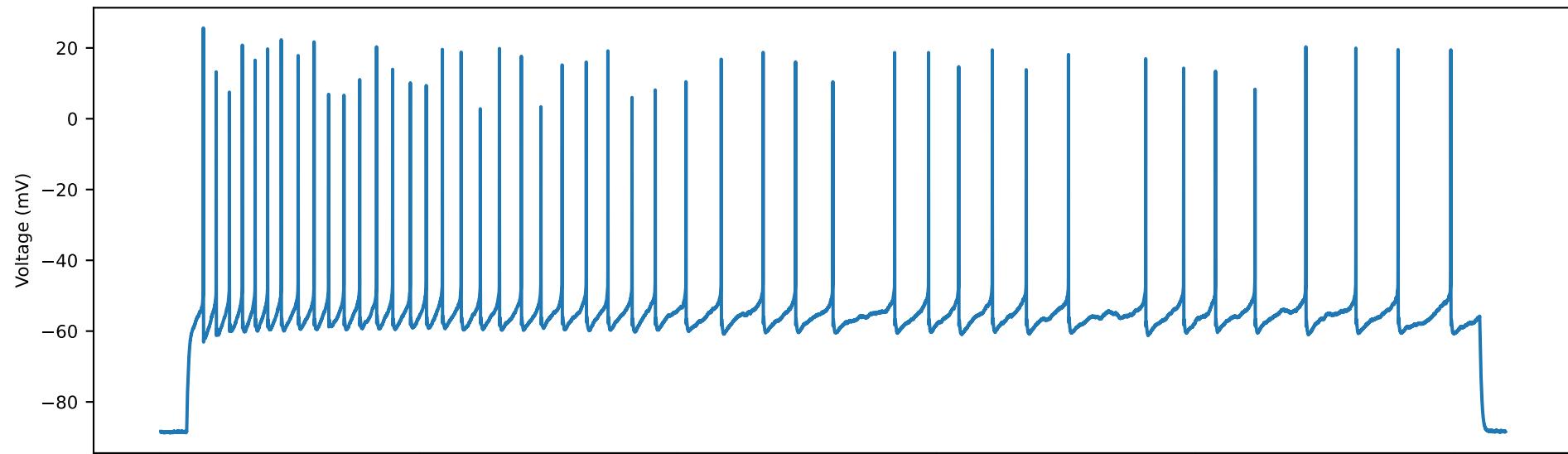


IV-supra

0:AHP_depth 1:AHP_depth_abs 2:AHP_depth_abs_slow 3:AHP_slow_time
 4:AHP_time_from_peak 5:AP_amplitude 6:AP_begin_voltage 7:AP_fall_rate
 8:AP_rise_rate 9:ISI_CV 10:Spikecount 11:adaptation_index2
 12:inv_first_ISI 13:mean_frequency 14:min_voltage_between_spikes 15:peak_voltage
 16:spike_half_width 17:steady_state_voltage 18:time_to_first_spike 19:voltage_base

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
IV_366: 419.74	25.19	-62.56	-64.07	0.13	1.85	75.52	-47.42	-68.43	138.51	0.03	4.0	0.02	5.28	4.4	-64.33	28.1	0.8	-86.47	364.0	-87.75
IV_367: 482.74	27.1	-60.84	-60.28	0.21	1.76	71.38	-46.67	-66.95	133.0	0.05	12.0	-0.01	13.18	12.4	-60.94	24.71	0.8	-86.55	109.7	-87.93

SpontAPs (rep 1)

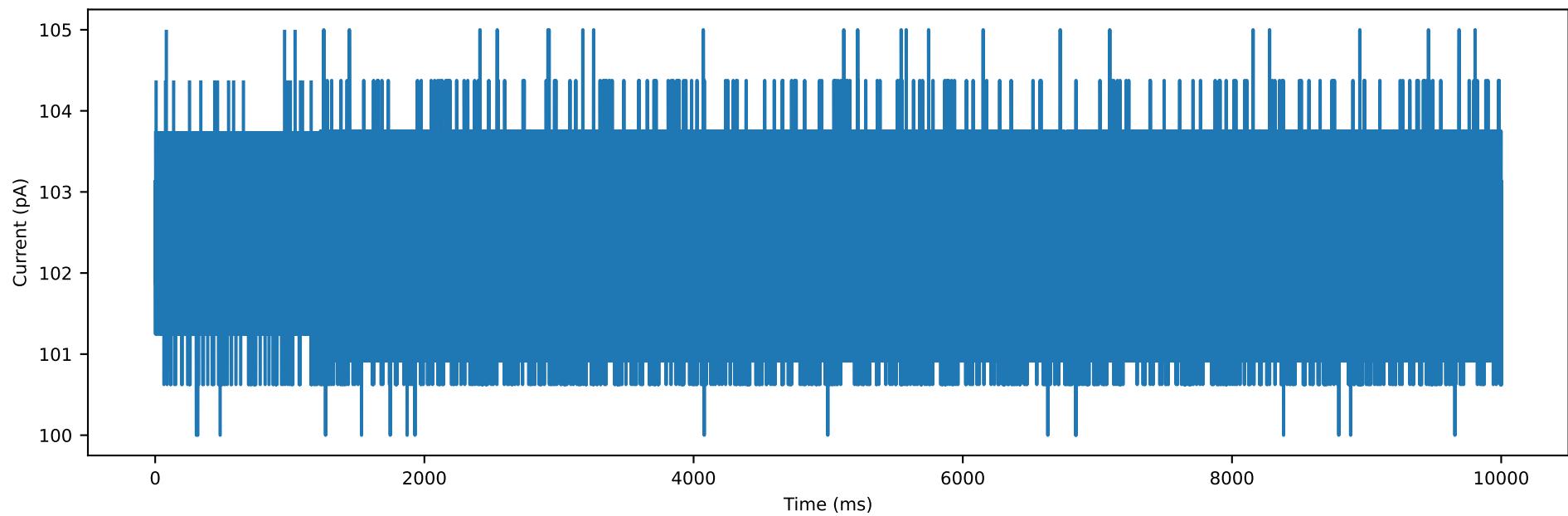
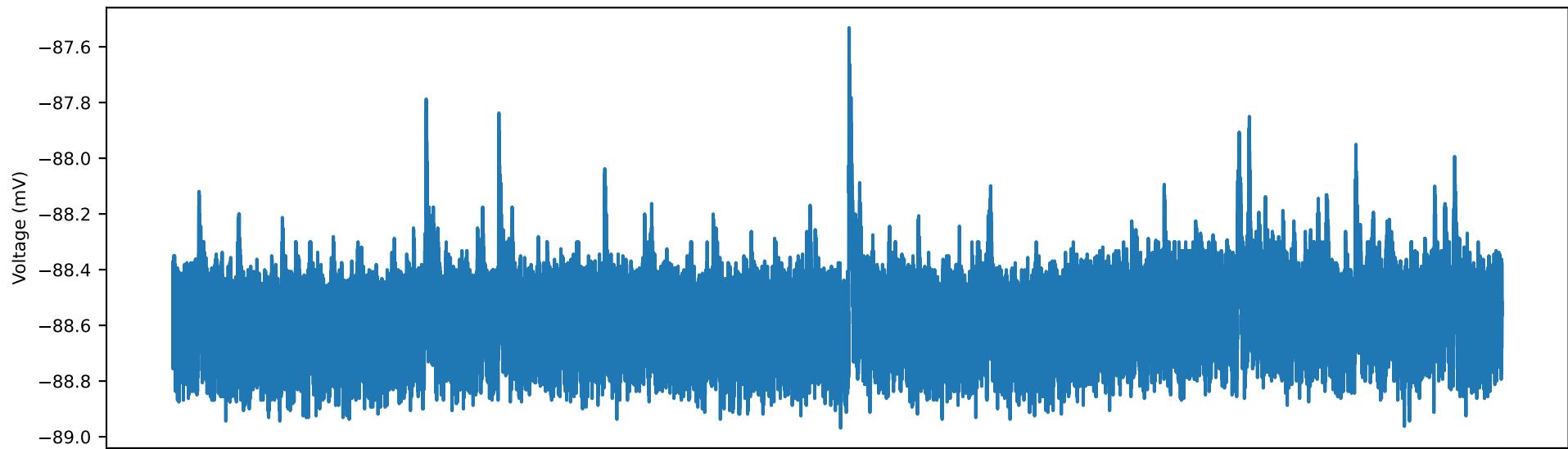


SpontAPs

0:AHP_depth 1:AHP_depth_abs 2:AHP_depth_abs_slow 3:AHP_slow_time
4:AHP_time_from_peak 5:AP_amplitude 6:AP_begin_voltage 7:AP_fall_rate
8:AP_rise_rate 9:ISI_CV 10:Spikecount 11:adaptation_index2
12:inv_first_ISI 13:mean_frequency 14:min_voltage_between_spikes 15:peak_voltage
16:spike_half_width 17:steady_state_voltage 18:time_to_first_spike 19:voltage_base

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SpontAPs_416: 482.76	30.04	-58.44	-60.05	0.11	1.73	61.34	-46.15	-57.08	86.06	0.52	46.0	0.02	10.1	4.7	-60.12	15.19	0.94	-86.06	129.0	-88.48

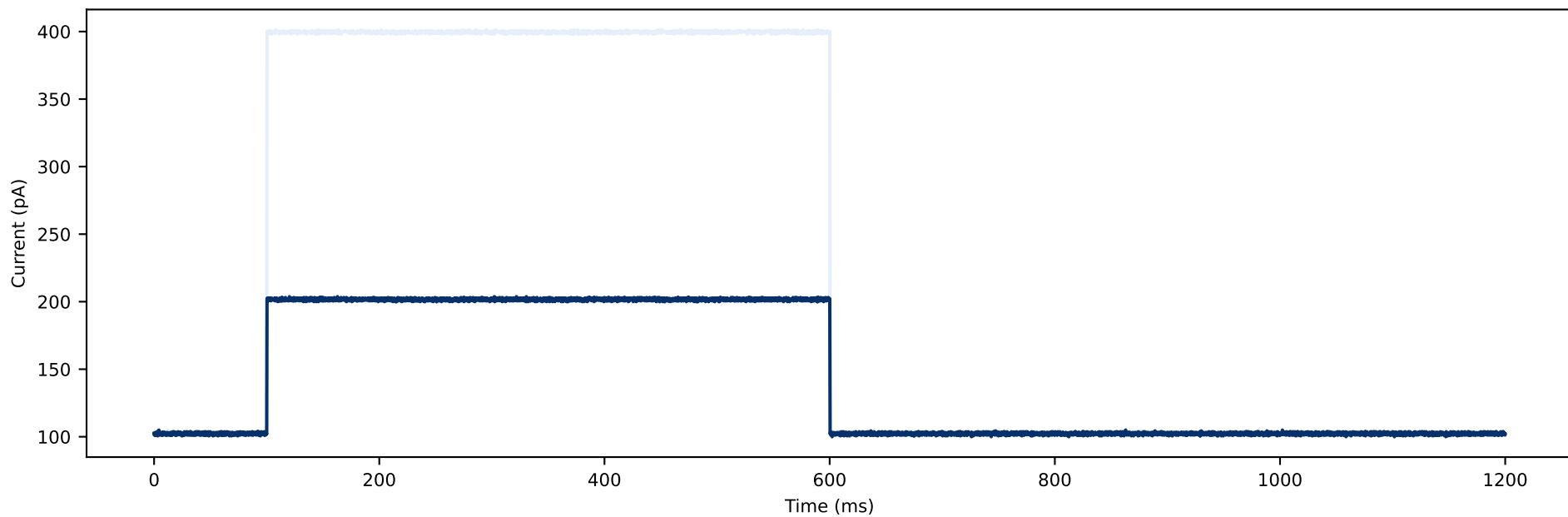
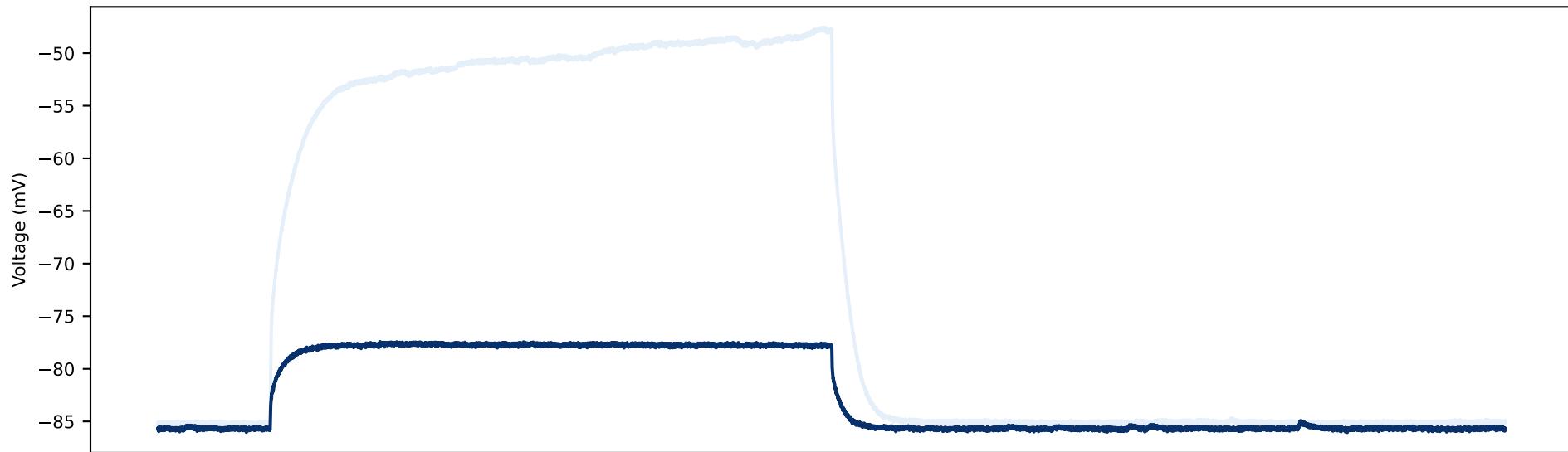
Spontaneous (rep 1)



Spontaneous

0:Spikecount 1:voltage_base 2:minimum_voltage 3:maximum_voltage

	0	1	2	3
Spontaneous_414: 102.43	0.0	-88.59	-88.97	-87.53

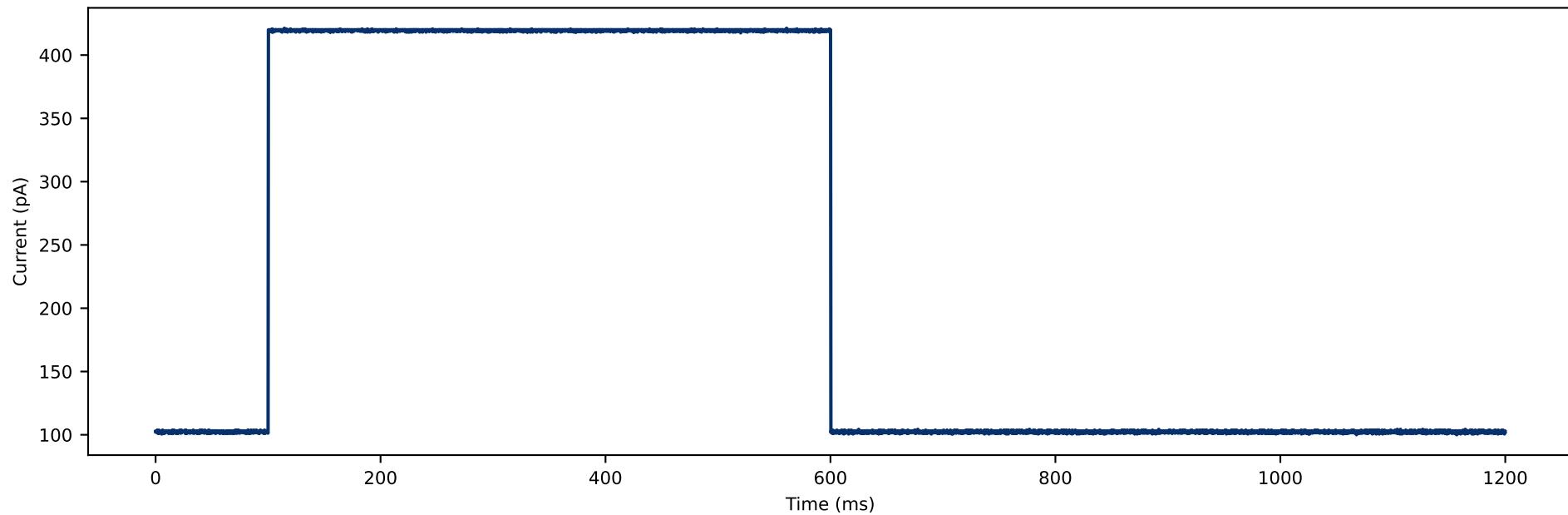
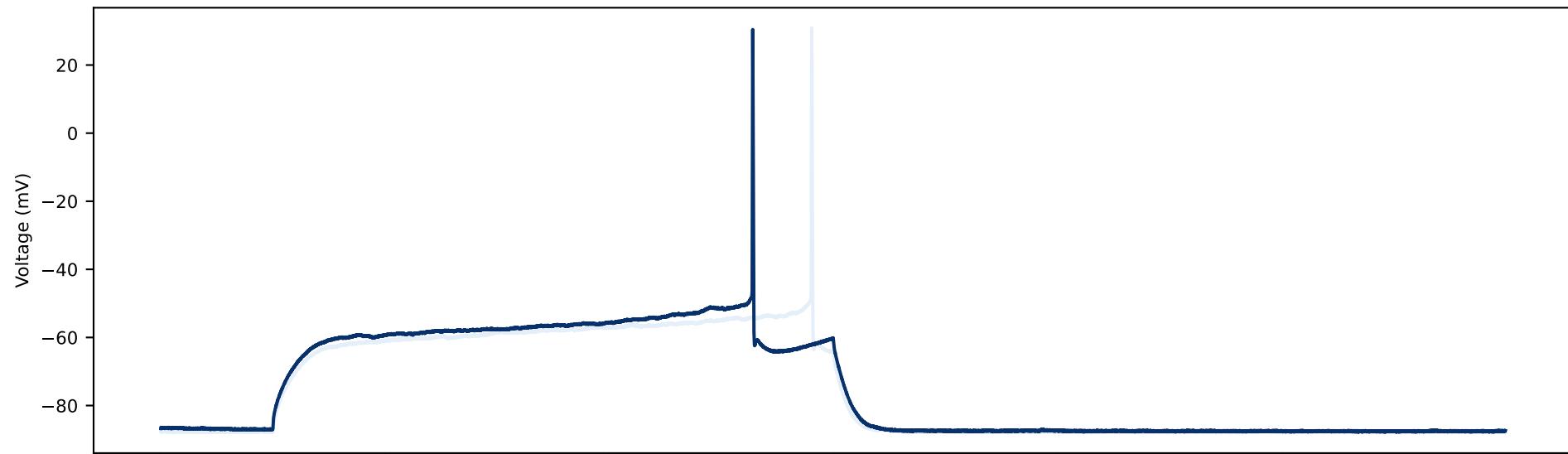


TesteCode-sub

0:voltage_base 1:steady_state_voltage 2:steady_state_voltage_stimend 3:decay_time_constant_after_stim
4:voltage_deflection 5:voltage_deflection_begin 6:voltage_deflection_vb_ssse 7:Spikecount

	0	1	2	3	4	5	6	7
TesteCode_349: 201.61	-85.7	-85.57	-77.78	7.05	7.87	7.73	7.92	0.0
TesteCode_350: 399.85	-85.2	-84.38	-48.26	16.49	37.45	30.1	36.94	0.0

TesteCode (rep 1)

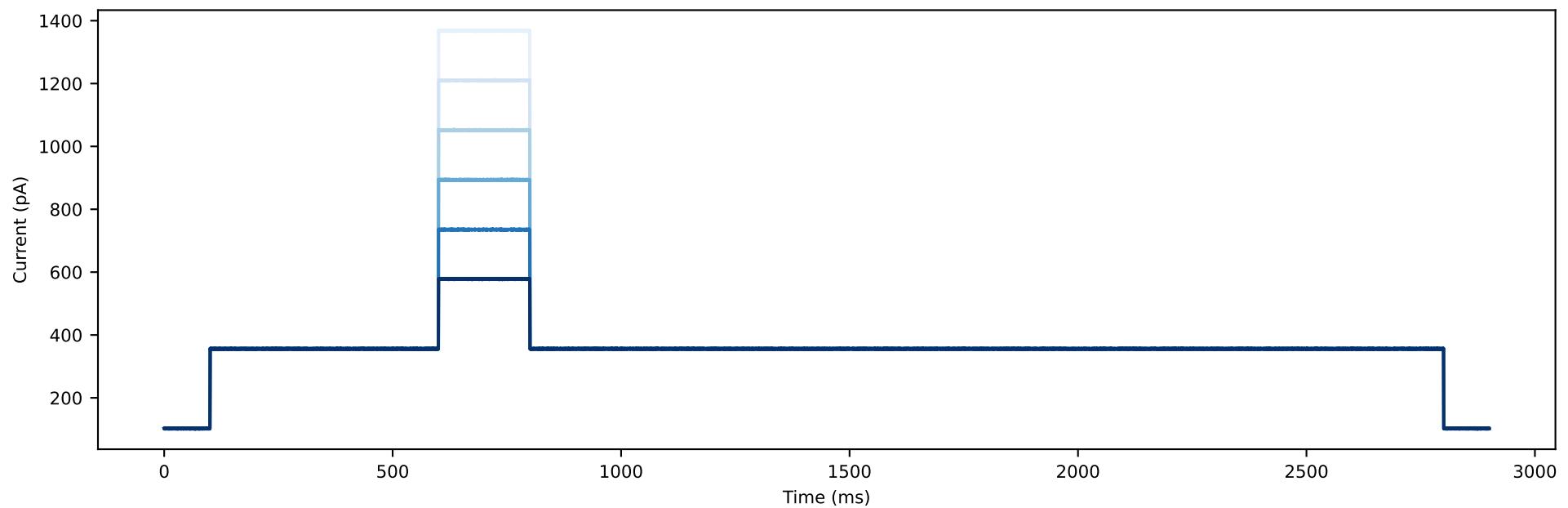
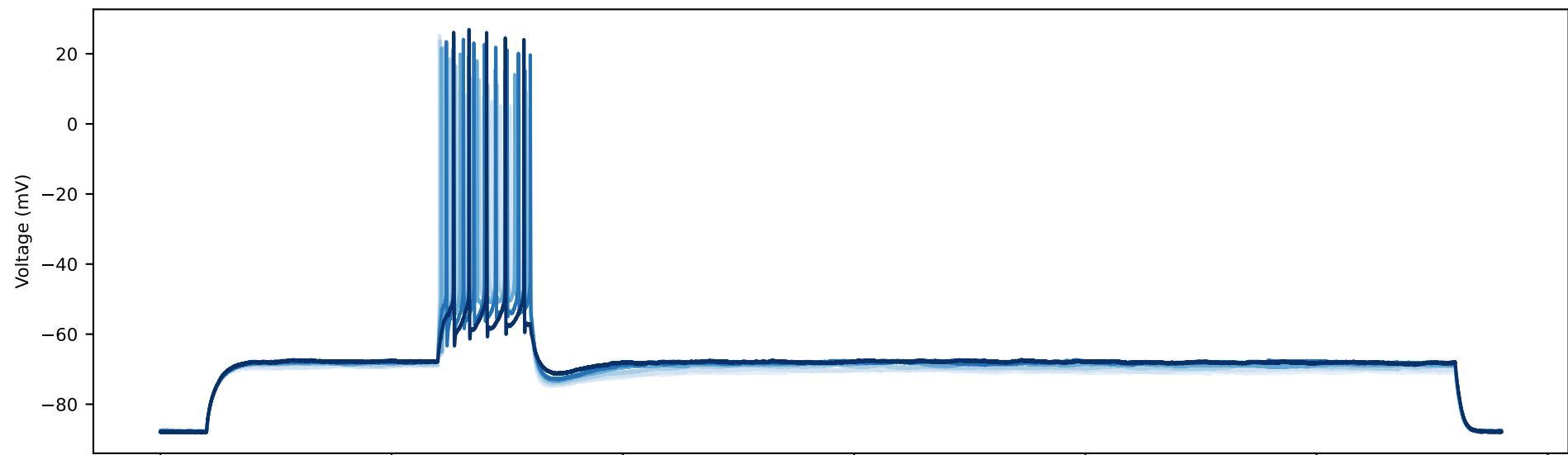


TesteCode

0:AP_amplitude 1:AP_fall_rate 2:AP_begin_voltage 3:AP_rise_rate
4:peak_voltage 5:spike_half_width 6:AHP_depth 7:AHP_depth_abs
8:AHP_time_from_peak

	0	1	2	3	4	5	6	7	8
TesteCode_351: 419.73	76.52	-70.24	-46.09	153.04	30.42	0.8	24.55	-62.44	1.7
TesteCode_352: 419.70	77.57	-76.39	-46.69	155.15	30.89	0.79	24.04	-63.62	1.7

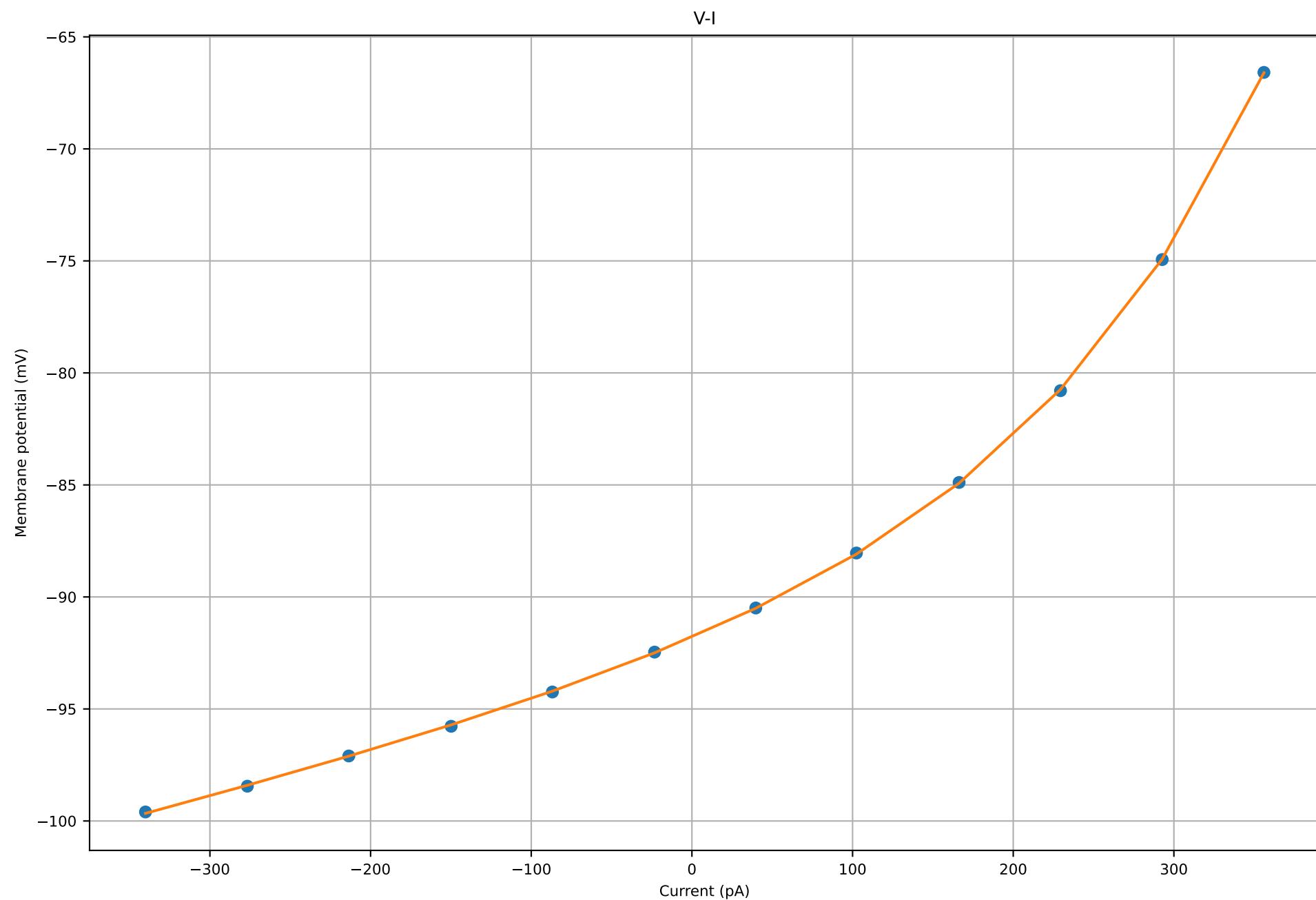
sAHP (rep 1)

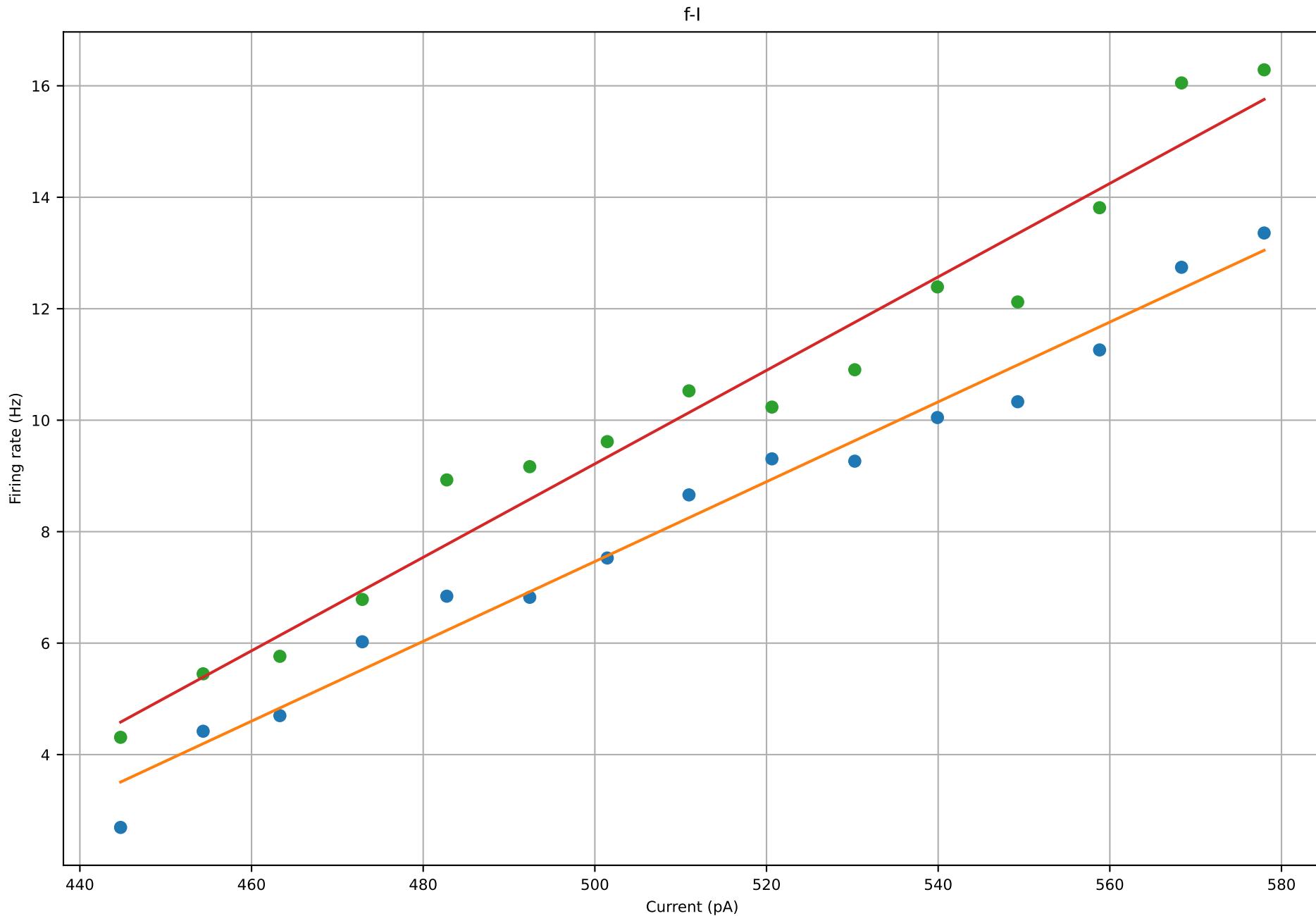


sAHP

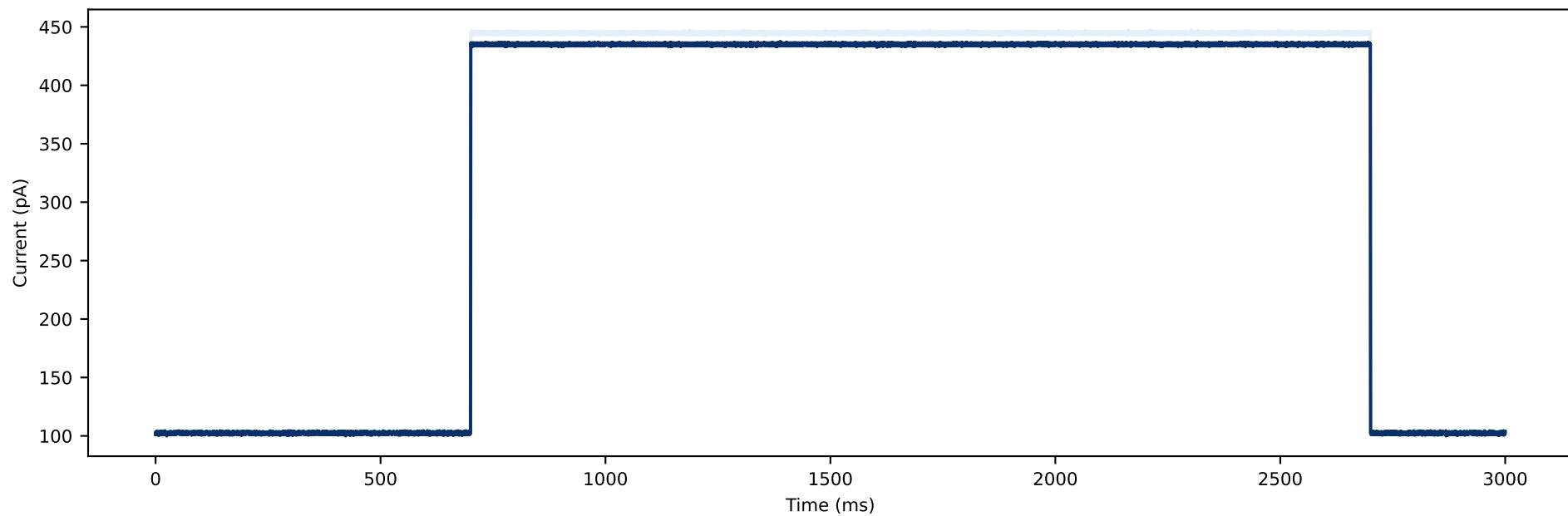
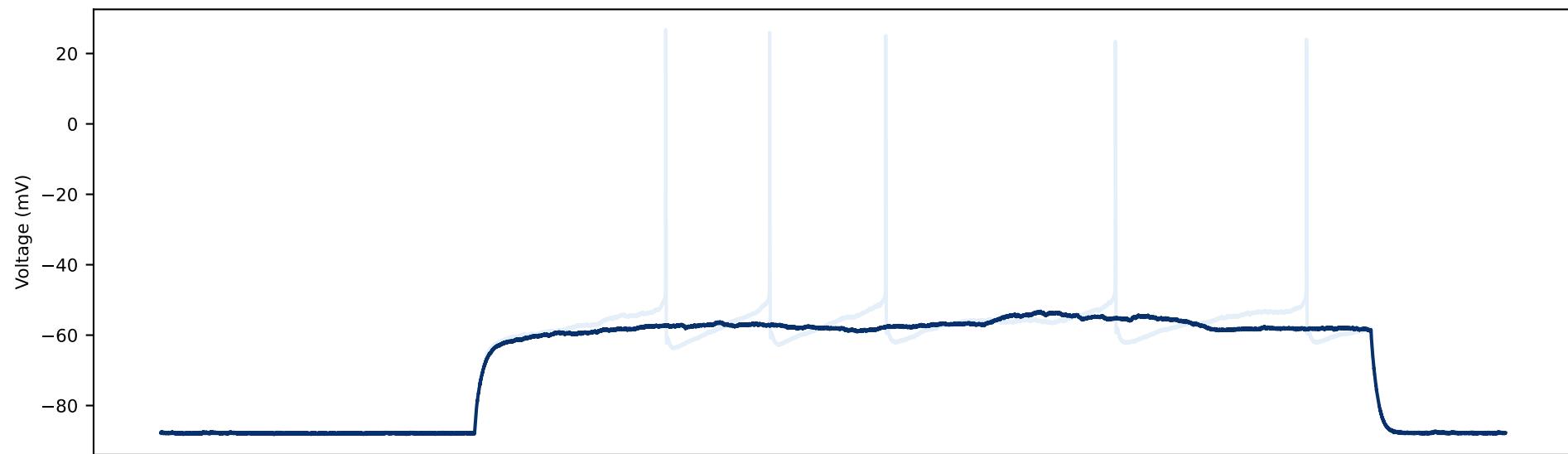
0:Spikecount 1:voltage_base 2:mean_frequency 3:minimum_voltage

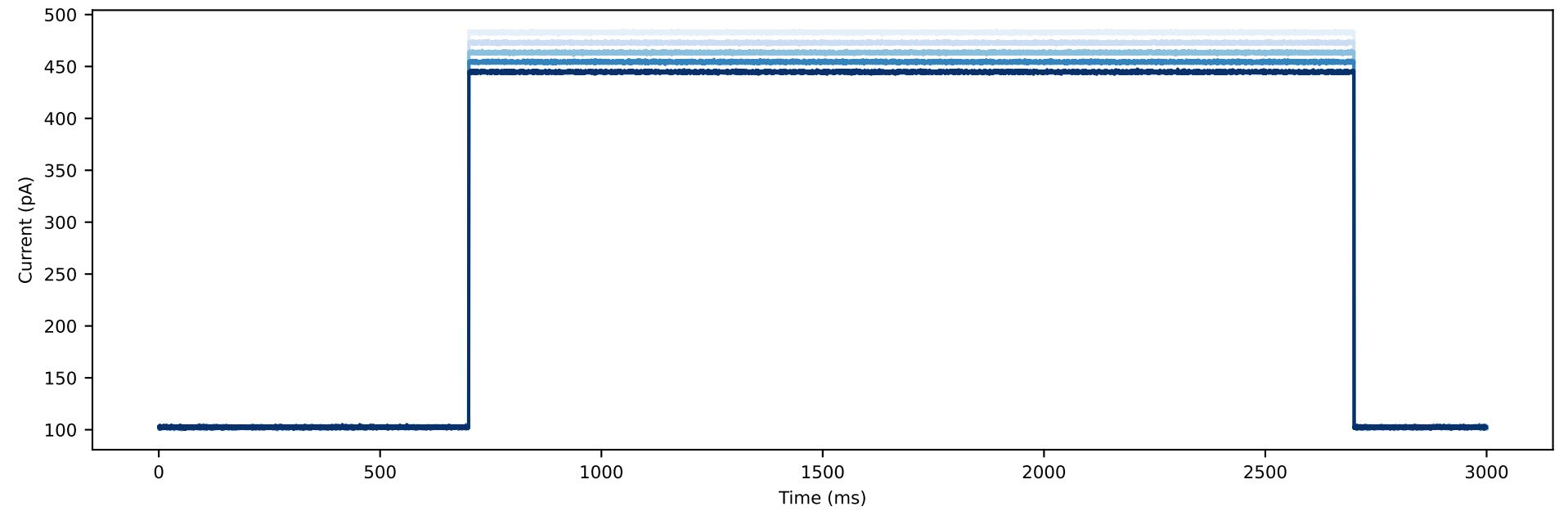
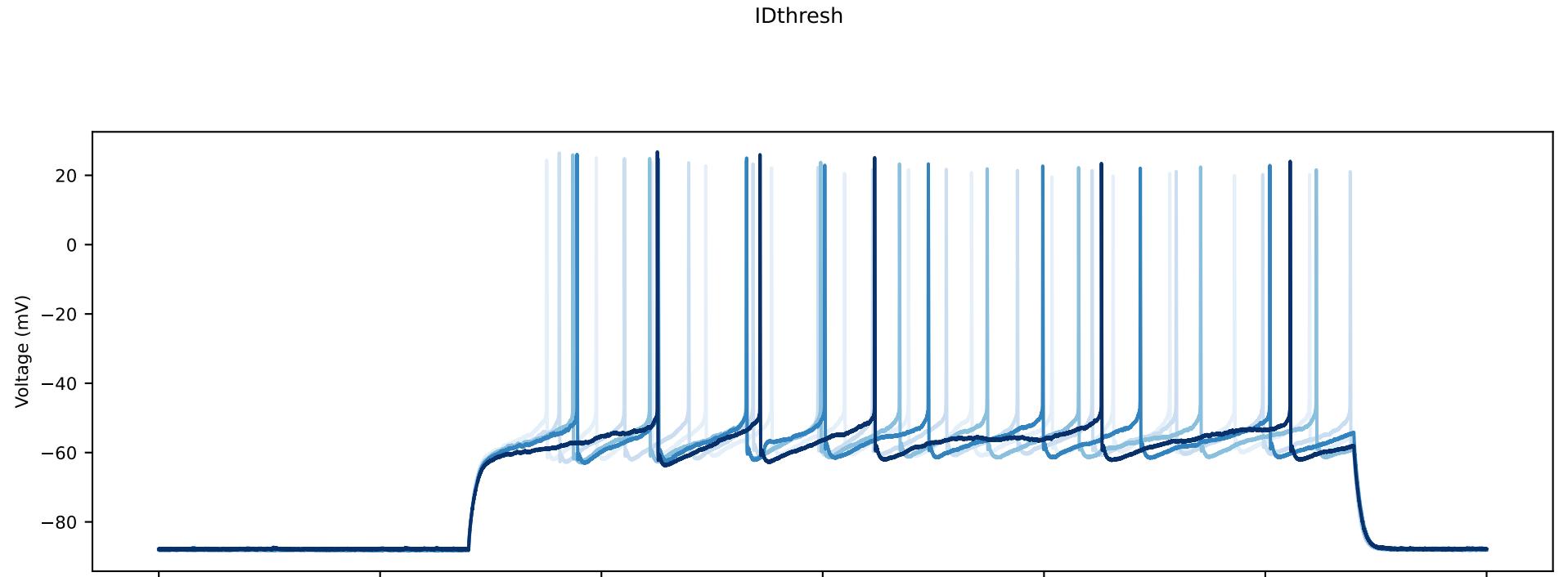
	0	1	2	3
sAHP_377: 577.90	5.0	-67.81	26.87	-71.37
sAHP_378: 735.38	9.0	-67.95	45.05	-72.99
sAHP_379: 893.60	11.0	-67.93	58.14	-73.58
sAHP_380: 1051.79	12.0	-68.53	62.96	-74.11
sAHP_381: 1210.12	13.0	-68.81	65.89	-74.76
sAHP_382: 1367.57	13.0	-69.02	68.71	-74.87





Rheobase (min stim): [435.08, 444.74] (rep 1)





Cell: 150602_c1_D1

	Feature value
vm_rest	-91.802
ir_fitmin	19.46
ir_fitmax	157.268
ir_fitrest	30.732
fi_rheobase	444.742
fi_avg_minstim	444.742
fi_avg_fitslope	0.072
fi_avg_fitbaserate	3.507
fi_1st_minstim	444.742
fi_1st_fitslope	0.084
fi_1st_fitbaserate	4.583
fi_avg_rate_idlow	2.694
fi_avg_rate_idmid	6.842
fi_avg_rate_idhigh	13.359
fi_1st_rate_idlow	4.31
fi_1st_rate_idmid	8.929
fi_1st_rate_idhigh	16.287
ap_threshold	-46.131
ap_peak	20.057
ap_amplitude	65.974
ap_fall_rate	-48.961
ap_rise_rate	107.974
ap_avg_thresh	-45.917
ap_half_width	0.854
ahp_depth	29.81
ahp_depth_abs	-58.528
ahp_depth_abs_slow	-59.37
ahp_min_voltage	-59.576
ahp_time_from_peak	1.769
ahp_slow_time	0.161
ad_idlow	0.119
ad_idmid	0.015
ad_idhigh	0.002
ap_delay_idlow	426.4
ap_delay_idmid	176.4
ap_delay_idhigh	86.3
tau_delta	5.82
tau_depol	22.407
tau_hypopol	3.169
tau_rest	6.907
ir_depol	160.894
ir_hypopol	12.777
ir_rest	35.922