

Active cell counts by parameter set — SE

N active (% of supertype total) | threshold set from SE-condition IEG expression

	Total N	80th percentile			85th percentile			90th percentile (Fig. 4) [†]			95th percentile		
		≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs
CA1 69-1	3,858	1447 (38%)	735 (19%)	367 (10%)	771 (20%)	350 (9%)	185 (5%)	599 (16%)	283 (7%)	142 (4%)	361 (9%)	161 (4%)	83 (2%)
CA1 70-2	1,417	429 (30%)	233 (16%)	128 (9%)	275 (19%)	121 (9%)	69 (5%)	230 (16%)	102 (7%)	53 (4%)	116 (8%)	57 (4%)	28 (2%)
CA1 71-3	181	49 (27%)	15 (8%)	5 (3%)	26 (14%)	10 (6%)	3 (2%)	20 (11%)	6 (3%)	2 (1%)	6 (3%)	2 (1%)	0 (0%)
CA1 72-4	1,050	130 (12%)	39 (4%)	16 (2%)	69 (7%)	28 (3%)	9 (1%)	48 (5%)	20 (2%)	8 (1%)	18 (2%)	7 (1%)	4 (0%)
CA1 73-5	29	6 (21%)	5 (17%)	2 (7%)	6 (21%)	4 (14%)	1 (3%)	6 (21%)	4 (14%)	0 (0%)	4 (14%)	0 (0%)	0 (0%)
CA1 74-6	218	26 (12%)	10 (5%)	5 (2%)	16 (7%)	4 (2%)	3 (1%)	13 (6%)	4 (2%)	1 (0%)	2 (1%)	1 (0%)	0 (0%)
All CA1	6,753	2087 (31%)	1037 (15%)	523 (8%)	1163 (17%)	517 (8%)	270 (4%)	916 (14%)	419 (6%)	206 (3%)	507 (8%)	228 (3%)	115 (2%)

¹ Highlighted column (90th pct, ≥ 3 IEGs) is the parameter set used in Figure 4.

Active cell counts by parameter set — EE30m

N active (% of supertype total) | threshold set from SE-condition IEG expression

	Total N	80th percentile			85th percentile			90th percentile (Fig. 4) [†]			95th percentile		
		≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs
CA1 69-1	4,326	3003 (69%)	2454 (57%)	1952 (45%)	2443 (56%)	1937 (45%)	1448 (33%)	2311 (53%)	1768 (41%)	1294 (30%)	2002 (46%)	1409 (33%)	979 (23%)
CA1 70-2	1,413	782 (55%)	618 (44%)	498 (35%)	629 (45%)	505 (36%)	408 (29%)	605 (43%)	481 (34%)	384 (27%)	489 (35%)	393 (28%)	321 (23%)
CA1 71-3	165	60 (36%)	32 (19%)	21 (13%)	44 (27%)	23 (14%)	13 (8%)	39 (24%)	20 (12%)	11 (7%)	23 (14%)	12 (7%)	9 (5%)
CA1 72-4	950	181 (19%)	92 (10%)	72 (8%)	117 (12%)	74 (8%)	66 (7%)	100 (11%)	73 (8%)	65 (7%)	76 (8%)	65 (7%)	55 (6%)
CA1 73-5	49	15 (31%)	8 (16%)	7 (14%)	10 (20%)	8 (16%)	6 (12%)	10 (20%)	8 (16%)	6 (12%)	7 (14%)	6 (12%)	6 (12%)
CA1 74-6	216	50 (23%)	28 (13%)	24 (11%)	33 (15%)	26 (12%)	20 (9%)	31 (14%)	24 (11%)	18 (8%)	24 (11%)	19 (9%)	15 (7%)
All CA1	7,119	4091 (57%)	3232 (45%)	2574 (36%)	3276 (46%)	2573 (36%)	1961 (28%)	3096 (43%)	2374 (33%)	1778 (25%)	2621 (37%)	1904 (27%)	1385 (19%)

^f Highlighted column (90th pct, ≥ 3 IEGs) is the parameter set used in Figure 4.

Active cell counts by parameter set — KA30m

N active (% of supertype total) | threshold set from SE-condition IEG expression

	Total N	80th percentile			85th percentile			90th percentile (Fig. 4) [†]			95th percentile		
		≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs	≥2 IEGs	≥3 IEGs	≥4 IEGs
CA1 69-1	606	606 (100%)	606 (100%)	605 (100%)	605 (100%)	605 (100%)	604 (100%)	605 (100%)	605 (100%)	602 (99%)	605 (100%)	604 (100%)	595 (98%)
CA1 70-2	255	253 (99%)	253 (99%)	252 (99%)	253 (99%)	252 (99%)	252 (99%)	253 (99%)	252 (99%)	252 (99%)	253 (99%)	252 (99%)	252 (99%)
CA1 71-3	6	6 (100%)	6 (100%)	6 (100%)	6 (100%)	6 (100%)	6 (100%)	6 (100%)	6 (100%)	6 (100%)	6 (100%)	6 (100%)	5 (83%)
CA1 72-4	58	58 (100%)	58 (100%)	58 (100%)	58 (100%)	58 (100%)	58 (100%)	58 (100%)	58 (100%)	58 (100%)	58 (100%)	58 (100%)	58 (100%)
CA1 73-5	2	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)	2 (100%)
CA1 74-6	34	34 (100%)	34 (100%)	34 (100%)	34 (100%)	34 (100%)	34 (100%)	34 (100%)	34 (100%)	34 (100%)	34 (100%)	34 (100%)	34 (100%)
All CA1	961	959 (100%)	959 (100%)	957 (100%)	958 (100%)	957 (100%)	956 (99%)	958 (100%)	957 (100%)	954 (99%)	958 (100%)	956 (99%)	946 (98%)

Highlighted column (90th pct, ≥ 3 IEGs) is the parameter set used in Figure 4.