Table S2. Microglial granular layer estimates for mature, exercised and sedentary rats raised in large and small litters. Experimental parameters, optical fractionator counting results and individual unilateral microglial numbers (N) and mean groups with the coefficient of error (CE).

Subjects	Section thickness (µm)	N	CE	tsf	No. of counting frames	ΣQ^-
Mature Sedentary from Large Litters						
SM G39 EXP 96	20.4 ± 1.07	6845.66	0.063	0.349 ± 0.02	204	174
VIDE G38 EXP 86	19.2 ± 1.09	4337.82	0.073	0.372 ± 0.02	193	117
VIE G39 EXP 94	21.8 ± 0.96	4777.27	0.074	0.325 ± 0.02	183	114
VSD G38 EXP 89	19.7 ± 0.87	5219.27	0.064	0.359 ± 0.01	189	137
VSE+VID G39 EXP 92	19.9 ± 1.75	4554.58	0.072	0.362 ± 0.03	197	126
Mean	20.2 ± 0.44	**5146.92**	0.069			
SD		1004.129				
$CV^2=(SD/Mean)^2$		0.038				
CE^2		0.005				
CE^2/CV^2		**0.1257**				
CVB^2		0.033				
CVB^2 (% of CV^2)		87%				
Mature Exercised from Large Litters						
CAB G56 EXP 143	17.9 ± 0.39	3683.76	0.075	0.392 ± 0.008	195	107
DOR G56 EXP 142	18.8 ± 0.59	4990.08	0.063	0.374 ± 0.011	185	138
PPE G56 EXP 144	20.1 ± 0.72	3948.6	0.082	0.350 ± 0.013	188	102
VIDE G41 EXP 105	24.1 ± 0.46	4425.97	0.078	0.291 ± 0.006	183	96
VME G47 EXP 106	21.3 ± 1.38	5058.2	0.070	0.335 ± 0.023	191	124
Mean		**4421.32**	0.074			
SD		611.7				
$CV^2=(SD/Mean)^2$		0.019				
CE^2		0.005				
CE^2/CV^2		0.2826				
CVB^2		0.014				
CVB^2 (% of CV^2)		72				
Mature Sedentary from Small Litters						
PAD G52 EXP 136	15.6 ± 0.35	3193.78	0.075834	0.450 ± 0.010	181	106
PPE G52 EXP 135	13.9 ± 0.90	3322.62	0.076046	0.515 ± 0.034	200	123
SM G32 EXP 148	15.5 ± 0.37	3090.66	0.079999	0.453 ± 0.011	186	103
SM G52 EXP 134	18.9 ± 0.82	4153.19	0.1	0.375 ± 0.015	206	113
VSDE G37 EXP 71	14.8 ± 0.68	3928.22	0.067753	0.479 ± 0.021	187	137
Mean	15.7 ± 0.84	**3537.694**	0.079926			
S.D.		473.21				
$CV^2=(D.P./Mean)^2$		0.018				
CE^2		0.006				
CE^2/CV^2		0.3570				
CVB^2		0.011				
CVB^2 (% of CV^2)		64.3%				
Mature Exercised from Small Litters						
DOR G51 EXP 126	22.9 ± 0.98	3861.76	0.086	0.301 ± 0.014	214	87
CAB G32 EXP 124	23.2 ± 0.31	3417.89	0.095	0.303 ± 0.004	195	76
VID G37 EXP 70	18.5 ± 1.15	3875.78	0.078	0.386 ± 0.027	185	108
VMD EXP 52	19.0 ± 0.89	3348.55	0.08	0.374 ± 0.018	193	93
VME G36 EXP 67	19.3 ± 1.36	4112.68	0.074	0.369 ± 0.022	193	112
Mean	20.6 ± 1.01	**3723.332**	0.082			
S.D.		327.01				
$CV^2=(D.P./Mean)^2$		0.002				
CE^2		0.007				
CE^2/CV^2		0.8812				
CVB^2		0.001				
CVB^2 (% of CV^2)		12				

[a]All evaluations were performed using a 100X objective lens (Nikon, NA 1.3, DF = 0.19µm). a(frame), area of the optical dissector counting frame = 60 x 60 µm^2; A(x,y step), x and y step sizes = 90 x 90; asf, area sampling fraction [a(frame)/A(x,y step)] = 0.44; tsf, thickness sampling fraction, calculated by the height of optical dissector = 7µm divided by section thickness, h/section thickness; ssf, section sampling fraction = 1/6; number of sections = 5; $\sum Q^-$, counted microglial markers.