Appendix

Table of Contents

Appendix Table S1.

Group Information																
Age	Adolescent								Adult							
Sex	Male				Female				Male				Female			
Genotype	C57BL/6J		loxTB-GHSR		C57BL/6J		loxTB-GHSR		C57BL/6J		loxTB-GHSR		C57BL/6J		loxTB-GHSR	
Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet
n	6	6	7	7	7	8	7	7	8	8	8	7	8	8	7	6
Body Weight (g)																
Mean ± SEM	27.47 ± 0.74	26.39 ± 0.63	24.88 ± 0.74	25.22 ± 0.58	22.05 ± 0.58	21.55 ± 0.40	21.30 ± 0.62	20.89 ± 0.50	35.63 ± 1.96	34.67 ± 1.46	31.79 ± 0.79	30.79 ± 0.47	28.18 ± 1.47	28.23 ± 1.25	24.49 ± 0.73	23.76 ± 0.81
Two Way ANOVA																
Genotype				P = 0.0110 (*)				P = 0.1902 (ns)				P = 0.0080 (**)				P = 0.0021 (**)
Diet				P = 0.5895 (ns)				P = 0.4007 (ns)				P = 0.4748 (ns)				P = 0.7742 (ns)
Genotype x Diet				P = 0.3045 (ns)				P = 0.9330 (ns)				P = 0.9876 (ns)				P = 0.7426 (ns)
Nose-Anus Length (mm)																
Mean ± SEM	90.00 ± 1.86	88.00 ± 1.44	89.86 ± 1.32	90.00 ± 1.00	87.43 ± 0.84	86.63 ± 1.08	84.57 ± 0.87	84.57 ± 1.46	97.00 ± 1.32	96.63 ± 1.05	94.88 ± 0.83	94.86 ± 0.99	90.38 ± 1.60	92.63 ± 1.21	89.71 ± 1.60	88.17 ± 0.83
Two Way ANOVA																
Genotype				P = 0.5157 (ns)				P = 0.0342 (*)				P = 0.0805 (ns)				P = 0.0810 (ns)
Diet				P = 0.5157 (ns)				P = 0.7170 (ns)				P = 0.8560 (ns)				P = 0.8050 (ns)
Genotype x Diet				P = 0.4540 (ns)				P = 0.7170 (ns)				P = 0.8689 (ns)				P = 0.1894 (ns)
Tibial Length (mm)																
Mean ± SEM	17.77 ± 0.13	17.91 ± 0.09	17.62 ± 0.08	17.80 ± 0.15	17.59 ± 0.11	17.65 ± 0.19	17.45 ± 0.11	17.51 ± 0.10	18.46 ± 0.10	18.57 ± 0.13	18.23 ± 0.07	18.24 ± 0.17	18.58 ± 0.11	18.53 ± 0.08	18.16 ± 0.14	18.11 ± 0.14
Two Way ANOVA																
Genotype				P = 0.2920 (ns)				P = 0.3279 (ns)				P = 0.0259 (*)				P = 0.0015 (**)
Diet				P = 0.2023 (ns)				P = 0.6588 (ns)				P = 0.6263 (ns)				P = 0.6593 (ns)
Genotype x Diet				P = 0.8488 (ns)				P = 0.9616 (ns)				P = 0.6526 (ns)				P = 0.9892 (ns)

Appendix Table S1. Summary of endpoint body weight and growth data.

Appendix Table S2.

Group Information																
Age	Adolescent								Adult							
Sex	Male				Female				Male				Female			
Genotype	*C57BL/6J*		*loxTB-GHSR*		*C57BL/6J*		*loxTB-GHSR*		*C57BL/6J*		*loxTB-GHSR*		*C57BL/6J*		*loxTB-GHSR*	
Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet	Ad libitum	5:2 Diet
Ki67$^+$ cells per DG section																
Mean ± SEM	22.43 ± 2.07	25.26 ± 3.71	22.19 ± 1.77	23.02 ± 1.35	25.19 ± 3.14	22.73 ± 1.64	24.76 ± 1.85	20.36 ± 0.89	8.95 ± 1.51	10.50 ± 2.04	5.62 ± 0.45	5.90 ± 0.68	8.09 ± 2.04	10.42 ± 2.34	5.77 ± 0.31	8.83 ± 1.56
n (mice per group)	6	6	7	7	7	7	7	7	7	8	8	7	8	8	7	6
Two Way ANOVA																
Genotype				P = 0.5960 (ns)				P = 0.5030 (ns)				P = 0.0072 (**)				P = 0.2979 (ns)
Diet				P = 0.4342 (ns)				P = 0.1070 (ns)				P = 0.5064 (ns)				P = 0.1543 (ns)
Genotype x Diet				P = 0.6685 (ns)				P = 0.6407 (ns)				P = 0.6452 (ns)				P = 0.8452 (ns)
DCX$^+$ cells per DG section																
Mean ± SEM	138.85 ± 11.62	143.24 ± 18.51	151.77 ± 13.67	152.52 ± 9.04	157.94 ± 7.49	160.32 ± 5.58	149.60 ± 9.59	171.60 ± 3.93	24.11 ± 2.58	29.87 ± 5.49	19.57 ± 2.57	24.92 ± 2.17	27.31 ± 2.65	27.60 ± 2.71	22.40 ± 1.43	25.43 ± 4.35
n (mice per group)	6	5	7	7	7	8	7	7	6	7	8	8	8	8	6	6
Two Way ANOVA																
Genotype				P = 0.4074 (ns)				P = 0.8334 (ns)				P = 0.1869 (ns)				P = 0.2427 (ns)
Diet				P = 0.8465 (ns)				P = 0.0896 (ns)				P = 0.1254 (ns)				P = 0.5800 (ns)
Genotype x Diet				P = 0.8910 (ns)				P = 0.1678 (ns)				P = 0.9542 (ns)				P = 0.6464 (ns)
BrdU$^+$ cells per DG section																
Mean ± SEM	15.11 ± 2.47	11.74 ± 1.76	12.37 ± 1.20	11.64 ± 1.74	9.81 ± 1.16	10.88 ± 1.88	9.89 ± 0.57	8.36 ± 0.23	6.45 ± 0.59	7.41 ± 0.82	5.94 ± 0.45	5.62 ± 0.42	7.42 ± 0.67	6.65 ± 0.37	6.45 ± 0.38	6.96 ± 0.61
n (mice per group)	6	6	7	7	7	8	7	7	7	8	8	7	9	7	7	5
Two Way ANOVA																
Genotype				P = 0.4394 (ns)				P = 0.1676 (ns)				P = 0.0685 (ns)				P = 0.5713 (ns)
Diet				P = 0.2682 (ns)				P = 0.1944 (ns)				P = 0.6027 (ns)				P = 0.8237 (ns)
Genotype x Diet				P = 0.4721 (ns)				P = 0.7978 (ns)				P = 0.2975 (ns)				P = 0.2709 (ns)
BrdU$^+$/NeuN$^+$ cells per DG section																
Mean ± SEM	12.34 ± 2.98	9.47 ± 1.88	8.06 ± 1.79	8.08 ± 2.52	5.46 ± 0.76	7.09 ± 1.60	4.71 ± 0.23	5.04 ± 0.37	4.58 ± 0.73	5.58 ± 0.84	3.76 ± 0.46	3.37 ± 0.36	5.35 ± 0.80	5.41 ± 0.72	4.34 ± 0.43	5.03 ± 0.59
n (mice per group)	6	6	7	7	7	8	7	7	7	8	8	7	9	7	7	5
Two Way ANOVA																
Genotype				P = 0.2368 (ns)				P = 0.1690 (ns)				P = 0.0257 (*)				P = 0.3370 (ns)
Diet				P = 0.5482 (ns)				P = 0.3272 (ns)				P = 0.6383 (ns)				P = 0.6072 (ns)
Genotype x Diet				P = 0.5434 (ns)				P = 0.5128 (ns)				P = 0.2867 (ns)				P = 0.6634 (ns)
BrdU$^+$/Sox2$^+$ cells per DG section																
Mean ± SEM	0.42 ± 0.14	0.21 ± 0.07	0.68 ± 0.12	0.38 ± 0.16	0.20 ± 0.09	0.20 ± 0.07	0.61 ± 0.15	0.50 ± 0.11	0.16 ± 0.05	0.20 ± 0.09	0.17 ± 0.06	0.23 ± 0.08	0.34 ± 0.12	0.31 ± 0.13	0.14 ±0.06	0.21 ± 0.08
n (mice per group)	6	6	7	6	7	8	7	7	5	5	8	7	7	6	7	6
Two Way ANOVA																
Genotype				P = 0.1002 (ns)				P = 0.0025 (**)				P = 0.7577 (ns)				P = 0.1557 (ns)
Diet				P = 0.0566 (ns)				P = 0.6379 (ns)				P = 0.4992 (ns)				P = 0.8517(ns)
Genotype x Diet				P = 0.7211 (ns)				P = 0.5940 (ns)				P = 0.9087 (ns)				P = 0.6563 (ns)
BrdU$^+$/S100β$^+$ cells per DG section																
Mean ± SEM	3.56 ± 0.58	3.44 ± 1.26	2.39 ± 0.48	2.00 ± 0.23	1.82 ± 0.34	1.95 ± 0.37	1.61 ± 0.17	1.07 ± 0.15	1.24 ± 0.30	1.55 ± 0.38	1.16 ± 0.27	1.20 ± 0.14	1.66 ± 0.29	1.40 ± 0.19	1.25 ± 0.22	1.10 ± 0.13
n (mice per group)	6	6	7	6	7	8	7	7	5	5	8	7	7	6	7	6
Two Way ANOVA																
Genotype				P = 0.0870 (ns)				P = 0.0681 (ns)				P = 0.4434 (ns)				P = 0.1330 (ns)
Diet				P = 0.7250 (ns)				P = 0.4853 (ns)				P = 0.5295 (ns)				P = 0.3716 (ns)
Genotype x Diet				P = 0.8554 (ns)				P = 0.2529 (ns)				P = 0.6261 (ns)				P = 0.7939 (ns)

Appendix Table S2. Summary of data for cellular markers of adult hippocampal neurogenesis.

Appendix Table S3.

Group Information																
Age	Adolescent								Adult							
Sex	Male				Female				Male				Female			
Genotype	C57BL/6J		loxTB-GHSR		C57BL/6J		loxTB-GHSR		C57BL/6J		loxTB-GHSR		C57BL/6J		loxTB-GHSR	
Diet	Ad libitum (n = 6)	5:2 Diet (n = 5)	Ad libitum (n = 7)	5:2 Diet (n = 7)	Ad libitum (n = 7)	5:2 Diet (n = 8)	Ad libitum (n = 7)	5:2 Diet (n = 7)	Ad libitum (n = 6)	5:2 Diet (n = 7)	Ad libitum (n = 8)	5:2 Diet (n = 7)	Ad libitum (n = 8)	5:2 Diet (n = 8)	Ad libitum (n = 6)	5:2 Diet (n = 6)
DCX⁺ cells per DG section																
Proliferative (Mean ± SEM)	45.72 ± 2.28	43.19 ± 2.61	41.32 ± 3.51	43.95 ± 2.40	41.79 ± 1.96	41.68 ± 1.64	39.64 ± 2.41	43.54 ± 1.03	14.67 ± 1.20	17.17 ± 2.09	11.79 ± 1.38	15.71 ± 1.28	16.25 ± 1.31	17.40 ± 1.74	14.04 ± 1.20	15.67 ± 1.72
Intermediate (Mean ± SEM)	28.91 ± 1.21	27.47 ± 2.41	29.73 ± 2.38	28.82 ± 1.36	29.37 ± 1.57	29.14 ± 0.93	26.74 ± 1.82	33.72 ± 0.92	6.78 ± 1.05	8.67 ± 1.93	6.17 ± 0.88	7.46 ± 0.82	8.66 ± 1.06	8.49 ± 1.15	6.79 ± 0.32	7.97 ± 1.86
Post-Mitotic (Mean ± SEM)	64.21 ± 12.10	72.59 ± 13.87	81.72 ± 7.91	79.96 ± 8.38	86.77 ± 4.12	89.51 ± 4.44	83.22 ± 5.43	94.34 ± 2.67	2.77 ± 0.89	4.03 ± 1.83	1.60 ± 0.52	1.72 ± 0.60	2.51 ± 0.53	1.70 ± 0.28	1.58 ± 0.20	1.99 ± 0.84
RM Two Way ANOVA																
Maturation Stage		P = 0.0027 (**)		P = <0.0001 (****)		P = <0.0001 (****)		P = <0.0001 (****)		P = <0.0001 (****)		P = <0.0001 (****)		P = <0.0001 (****)		P = <0.0001 (****)
Diet		P = 0.8395 (ns)		P = 0.9641 (ns)		P = 0.7991 (ns)		P = 0.0553 (ns)		P = 0.3690 (ns)		P = 0.1423 (ns)		P = 0.9412 (ns)		P = 0.5232 (ns)
Maturation Stage x Diet		P = 0.7093 (ns)		P = 0.8588 (ns)		P = 0.7446 (ns)		P = 0.1322 (ns)		P = 0.7158 (ns)		P = 0.0254 (*)		P = 0.4978 (ns)		P = 0.6423 (ns)
Subject		P = 0.2445 (ns)		P = 0.5222 (ns)		P = 0.0087 (**)		P = <0.0001 (****)		P = <0.0001 (****)		P = 0.0007 (***)		P = 0.0023 (**)		P = <0.0001 (****)
% of total DCX+ cells per DG section																
Proliferative (Mean ± SEM)	34.47 ± 3.92	31.53 ± 2.79	27.38 ± 0.41	29.37 ± 2.45	26.47 ± 0.32	26.12 ± 1.14	26.52 ± 0.19	25.38 ± 0.20	61.87 ± 4.18	60.73 ± 3.47	61.93 ± 2.77	63.69 ± 2.89	60.57 ± 2.46	63.23 ± 2.24	62.22 ± 1.61	64.72 ± 4.67
Intermediate (Mean ± SEM)	21.46 ± 1.89	19.69 ± 1.18	19.10 ± 0.47	19.07 ± 0.86	18.58 ± 0.33	18.21 ± 0.36	17.86 ± 0.22	19.66 ± 0.53	27.65 ± 1.80	28.38 ± 0.99	31.13 ± 2.04	29.96 ± 1.42	30.80 ± 1.61	30.50 ± 2.14	30.57 ± 1.20	29.47 ± 2.84
Post-Mitotic (Mean ± SEM)	44.07 ± 5.39	48.79 ± 3.86	53.52 ± 0.77	51.56 ± 3.22	54.95 ± 0.36	55.67 ± 1.41	55.62 ± 0.29	54.96 ± 0.61	10.48 ± 3.07	10.90 ± 2.68	6.94 ± 1.78	6.35 ± 1.79	8.63 ± 1.32	6.27 ± 0.98	7.20 ± 1.02	5.81 ± 2.21

Appendix Table S3. Summary of data for DCX⁺ cell maturation.

Appendix Table S4.

Group Information																
Age	Adolescent								Adult							
Sex	Male				Female				Male				Female			
Genotype	C57BL/6J		lox TB-GHSR		C57BL/6J		lox TB-GHSR		C57BL/6J		lox TB-GHSR		C57BL/6J		lox TB-GHSR	
Diet	Ad libitum (n = 6)	5:2 Diet (n = 6)	Ad libitum (n = 7)	5:2 Diet (n = 7)	Ad libitum (n = 7)	5:2 Diet (n = 8)	Ad libitum (n = 7)	5:2 Diet (n = 7)	Ad libitum (n = 7)	5:2 Diet (n = 8)	Ad libitum (n = 8)	5:2 Diet (n = 7)	Ad libitum (n = 9)	5:2 Diet (n = 6)	Ad libitum (n = 7)	5:2 Diet (n = 5)
BrdU+/NeuN+ cells per DG section																
Rostral DG (Mean ± SEM)	13.82 ± 3.47	9.61 ± 1.88	8.26 ± 1.74	7.96 ± 2.47	5.79 ± 0.87	7.38 ± 2.08	4.81 ± 0.40	5.31 ± 0.56	4.56 ± 0.81	5.52 ± 0.77	3.63 ± 0.50	3.59 ± 0.37	5.54 ± 1.00	5.02 ± 0.81	4.86 ± 0.56	4.78 ± 0.45
Caudal DG (Mean ± SEM)	10.40 ± 2.32	9.44 ± 1.98	7.87 ± 1.90	8.31 ± 2.66	5.13 ± 0.82	6.71 ± 1.08	4.63 ± 0.40	4.79 ± 0.41	4.68 ± 0.68	5.67 ± 0.95	3.89 ± 0.48	3.14 ± 0.37	5.10 ± 0.62	5.16 ± 0.78	4.22 ± 0.42	5.28 ± 0.77
RM Two Way ANOVA																
Rostral-Caudal axis		P = 0.1131 (ns)		P = 0.9649 (ns)		P = 0.3662 (ns)		P = 0.4597 (ns)		P = 0.5903 (ns)		P = 0.6784 (ns)		P = 0.6402 (ns)		P = 0.8470 (ns)
Diet		P = 0.4613 (ns)		P = 0.9617 (ns)		P = 0.3958 (ns)		P = 0.4605 (ns)		P = 0.4043 (ns)		P = 0.5202 (ns)		P = 0.8479 (ns)		P = 0.5128 (ns)
Rostral-Caudal axis x Diet		P = 0.1464 (ns)		P = 0.3852 (ns)		P = 0.9953 (ns)		P = 0.7160 (ns)		P = 0.9442 (ns)		P = 0.1188 (ns)		P = 0.3822 (ns)		P = 0.1267 (ns)
Subject		P = 0.0004 (***)		P = <0.0001 (****)		P = 0.0009 (***)		P = 0.5712 (ns)		P = <0.0001 (****)		P = 0.0004 (***)		P = <0.0001 (****)		P = 0.0140 (*)

Appendix Table S4. Summary of data for BrdU⁺/NeuN⁺ cell counts in the rostral and caudal dentate gyrus (DG).

Appendix Table S5.

Group Information																
Age	Adolescent								Adult							
Sex	Male				Female				Male				Female			
Genotype	C57BL/6J		lox TB-GHSR		C57BL/6J		lox TB-GHSR		C57BL/6J		lox TB-GHSR		C57BL/6J		lox TB-GHSR	
Diet	Ad libitum (n = 6)	5:2 Diet (n = 6)	Ad libitum (n = 7)	5:2 Diet (n = 7)	Ad libitum (n = 7)	5:2 Diet (n = 8)	Ad libitum (n = 7)	5:2 Diet (n = 7)	Ad libitum (n = 7)	5:2 Diet (n = 8)	Ad libitum (n = 8)	5:2 Diet (n = 7)	Ad libitum (n = 9)	5:2 Diet (n = 6)	Ad libitum (n = 7)	5:2 Diet (n = 5)
Rostral DG																
Suprapyramidal Blade (Mean ± SEM)	8.53 ± 2.74	6.36 ± 1.69	5.05 ± 1.48	5.54 ± 2.05	3.31 ± 0.54	5.67 ± 1.82	2.63 ± 0.20	3.24 ± 0.43	2.33 ± 0.48	3.10 ± 0.38	2.08 ± 0.26	1.91 ± 0.22	3.37 ± 0.54	2.71 ± 0.37	2.46 ± 0.24	2.53 ± 0.28
Infrapyramidal Blade (Mean ± SEM)	5.10 ± 0.78	4.08 ± 0.82	3.69 ± 0.69	3.11 ± 0.81	2.70 ± 0.42	2.74 ± 0.59	2.43 ± 0.32	2.25 ± 0.16	2.32 ± 0.33	2.51 ± 0.35	1.57 ± 0.25	1.68 ± 0.19	2.34 ± 0.46	2.47 ± 0.46	1.96 ± 0.26	2.25 ± 0.21
RM Two Way ANOVA																
GCL blade		P = 0.0448 (*)		P = 0.0359 (*)		P = 0.0296 (*)		P = 0.0476 (*)		P = 0.0816 (ns)		P = 0.0047 (**)		P = 0.0314 (*)		P = 0.0079 (**)
Diet		P = 0.4565 (ns)		P = 0.9894 (ns)		P = 0.3859 (ns)		P = 0.5141 (ns)		P = 0.3763 (ns)		P = 0.9166 (ns)		P = 0.6915 (ns)		P = 0.6426 (ns)
GCL blade x Diet		P = 0.6514 (ns)		P = 0.5700 (ns)		P = 0.1342 (ns)		P = 0.1667 (ns)		P = 0.0990 (ns)		P = 0.2258 (ns)		P = 0.1566 (ns)		P = 0.3804 (ns)
Subject		P = 0.0633 (ns)		P = 0.0089 (**)		P = 0.0171 (*)		P = 0.2806 (ns)		P = <0.0001 (****)		P = 0.0003 (***)		P = 0.0012 (**)		P = 0.0009 (***)
Caudal DG																
Suprapyramidal Blade (Mean ± SEM)	6.49 ± 1.46	6.09 ± 1.47	4.74 ± 1.21	5.20 ± 1.77	3.13 ± 0.54	4.39 ± 0.80	2.76 ± 0.26	2.96 ± 0.25	2.54 ± 0.40	3.10 ± 0.47	2.30 ± 0.28	1.85 ± 0.16	2.82 ± 0.35	2.78 ± 0.43	2.77 ± 0.39	3.06 ± 0.42
Infrapyramidal Blade (Mean ± SEM)	4.14 ± 0.88	3.56 ± 0.58	3.12 ± 0.71	3.28 ± 0.85	2.09 ± 0.31	2.64 ± 0.25	2.01 ± 0.23	2.16 ± 0.23	2.14 ± 0.31	2.61 ± 0.48	1.82 ± 0.21	1.50 ± 0.16	2.28 ± 0.31	2.45 ± 0.37	1.80 ± 0.15	2.38 ± 0.22
RM Two Way ANOVA																
GCL blade		P = 0.0075 (**)		P = 0.0057 (**)		P = 0.0035 (**)		P = 0.0043 (**)		P = 0.0058 (**)		P = 0.0003 (***)		P = 0.0279 (*)		P = 0.0075 (**)
Diet		P = 0.7462 (ns)		P = 0.8526 (ns)		P = 0.1854 (ns)		P = 0.5396 (ns)		P = 0.3984 (ns)		P = 0.2144 (ns)		P = 0.8954 (ns)		P = 0.2772 (ns)
GCL blade x Diet		P = 0.8968 (ns)		P = 0.7897 (ns)		P = 0.3695 (ns)		P = 0.9346 (ns)		P = 0.7293 (ns)		P = 0.4341 (ns)		P = 0.5591 (ns)		P = 0.5722 (ns)
Subject		P = 0.0184 (*)		P = 0.0003 (***)		P = 0.0404 (*)		P = 0.2467 (ns)		P = <0.0001 (****)		P = <0.0001 (****)		P = 0.0004 (***)		P = 0. 1046 (ns)
Rostral + Caudal DG																
Suprapyramidal Blade (Mean ± SEM)	7.70 ± 2.20	6.19 ± 1.55	4.91 ± 1.33	5.37 ± 1.91	3.22 ± 0.48	5.03 ± 1.28	2.66 ± 0.18	3.09 ± 0.26	2.43 ± 0.42	3.13 ± 0.43	2.19 ± 0.26	1.88 ± 0.18	3.11 ± 0.43	2.74 ± 0.35	2.62 ± 0.30	2.79 ± 0.33
Infrapyramidal Blade (Mean ± SEM)	4.65 ± 0.76	3.84 ± 0.70	3.33 ± 0.67	3.17 ± 0.80	2.40 ± 0.31	2.71 ± 0.41	2.25 ± 0.13	2.21 ± 0.13	2.20 ± 0.31	2.59 ± 0.42	1.70 ± 0.22	1.59 ± 0.17	2.32 ± 0.37	2.46 ± 0.40	1.89 ± 0.18	2.31 ± 0.20
RM Two Way ANOVA																
GCL blade		P = 0.0193 (*)		P = 0.0163 (*)		P = 0.0095 (**)		P = 0.0003 (***)		P = 0.0066 (**)		P = 0.0002 (***)		P = 0.0105 (*)		P = 0.0011 (**)
Diet		P = 0.5322 (ns)		P = 0.9362 (ns)		P = 0.2876 (ns)		P = 0.4370 (ns)		P = 0.3465 (ns)		P = 0.4919 (ns)		P = 0.8347 (ns)		P = 0.4159 (ns)
GCL blade x Diet		P = 0.7259 (ns)		P = 0.9452 (ns)		P = 0.1708 (ns)		P = 0.1685 (ns)		P = 0.2173 (ns)		P = 0.2935 (ns)		P = 0.1770 (ns)		P = 0.3737 (ns)
Subject		P = 0.0333 (*)		P = 0.0018 (**)		P = 0.0166 (*)		P = 0.0319 (*)		P = <0.0001 (****)		P = <0.0001 (****)		P = 0.0001 (***)		P = 0.0025 (**)

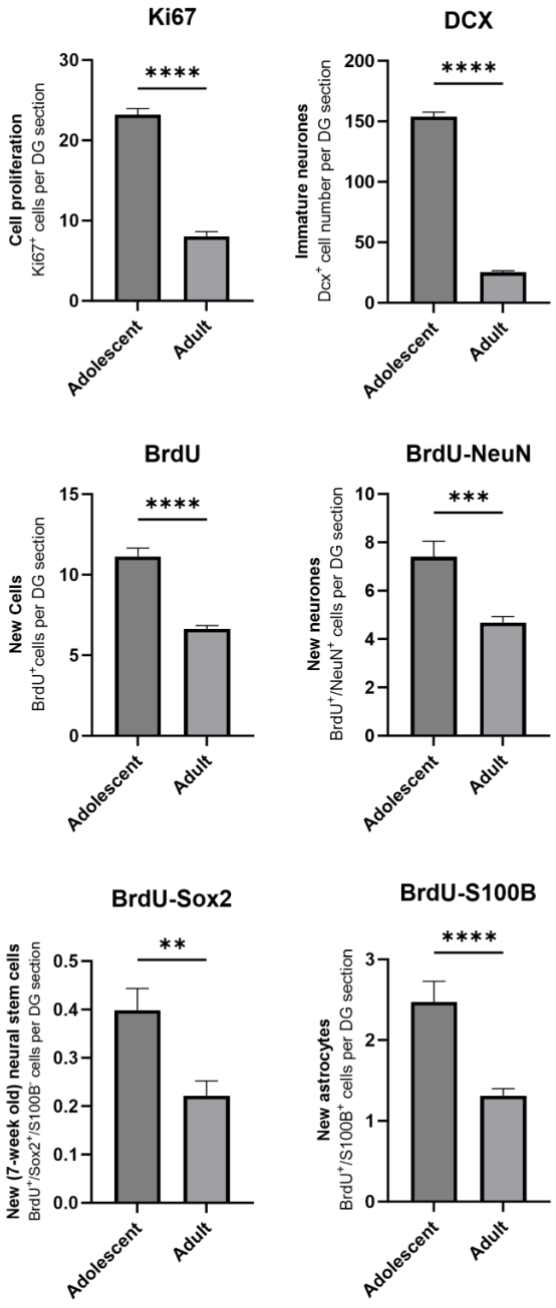
Appendix Table S5. Summary of data for $BrdU^+$/$NeuN^+$ cell counts in the suprapyramidal and infrapyramidal blades of the granule cell layer (GCL) of the DG.

Appendix Table S6.

Group Information												
Age	Adolescent						Adult					
Sex	Male				Female		Male				Female	
Genotype	C57BL/6J		loxTB-GHSR		C57BL/6J	loxTB-GHSR	C57BL/6J		loxTB-GHSR		C57BL/6J	loxTB-GHSR
Diet	Ad libitum (n = 6)	5:2 Diet (n = 6)	Ad libitum (n = 7)	5:2 Diet (n = 6)	Ad libitum (n = 7)	5:2 Diet (n = 7)	Ad libitum (n = 7)	5:2 Diet (n = 7)	Ad libitum (n = 5)	5:2 Diet (n = 5)	Ad libitum (n = 8)	5:2 Diet (n = 7)	Ad libitum (n = 7)	5:2 Diet (n = 6)	Ad libitum (n = 7)	5:2 Diet (n = 6)
BrdU$^+$ Sox2$^+$ cells per DG section																
Rostral DG (Mean ± SEM)	0.50 ± 0.20	0.19 ± 0.08	0.64 ± 0.12	0.23 ± 0.12	0.21 ± 0.07	0.29 ± 0.17	0.57 ± 0.19	0.61 ± 0.20	0.00 ± 0.00	0.20 ± 0.12	0.06 ± 0.04	0.14 ± 0.11	0.18 ± 0.07	0.46 ± 0.23	0.18 ± 0.09	0.17 ± 0.11
Caudal DG (Mean ± SEM)	0.30 ± 0.12	0.25 ± 0.13	0.71 ± 0.15	0.50 ± 0.22	0.18 ± 0.12	0.21 ± 0.09	0.68 ± 0.16	0.57 ± 0.18	0.30 ± 0.09	0.20 ± 0.12	0.28 ± 0.10	0.39 ± 0.15	0.50 ± 0.20	0.17 ± 0.08	0.11 ± 0.05	0.29 ± 0.25
RM Two Way ANOVA																
Rostral-Caudal axis		P = 0.6710 (ns)		P = 0.1363 (ns)		P = 0.5282 (ns)		P = 0.8316 (ns)		P = 0.1411 (ns)		P = 0.0619 (ns)		P = 0.9205 (ns)		P = 0.8555 (ns)
Diet		P = 0.2446 (ns)		P = 0.1383 (ns)		P = 0.7113 (ns)		P = 0.8637 (ns)		P = 0.6454 (ns)		P = 0.3197 (ns)		P = 0.8822 (ns)		P = 0.5051 (ns)
Rostral-Caudal axis x Diet		P = 0.3585 (ns)		P = 0.3733 (ns)		P = 0.8322 (ns)		P = 0.6715 (ns)		P = 0.1411 (ns)		P = 0.8937 (ns)		P = 0.0591 (ns)		P = 0.5083 (ns)
Subject		P = 0.1821 (ns)		P = 0.0258 (*)		P = 0.0369 (*)		P = 0.2343 (ns)		P = 0.3612 (ns)		P = 0.7728 (ns)		P = 0.2869 (ns)		P = 0.6711 (ns)

Appendix Table S6. Summary of data for BrdU$^+$/Sox2$^+$ cell counts in the rostral and caudal DG.

Appendix Figure S1.



Appendix Figure S1. Comparison of age effects of cellular markers of AHN. Data from all sexes, genotypes and diets were pooled for each age group under study. The effect of age on each marker was assessed using unpaired student t-tests. ** P = < 0.01; *** P = < 0.001; **** P = < 0.0001;