

S5 Table. **Normalization factor and relative expression levels of target genes.** The mean \pm SEM of the relative expression levels of target genes for each experimental condition are shown as raw data and normalized by *RPL13A*, *YWHAZ*, *GSK3B* and *RN18S* expression levels.

Age ^a	Genotype ^b	Relative expression levels (Mean \pm SEM)				
		NF ^c	<i>IGF1</i> raw data	<i>IGF1</i> norm. ^d	<i>GHR</i> raw data	<i>GHR</i> norm. ^d
2w	N	2,06 \pm 0,17	5,75 \pm 0,98	3,25 \pm 0,31	1,97 \pm 0,30	0,68 \pm 0,07
	T	2,40 \pm 0,22	10,65 \pm 1,40	5,06 \pm 0,28	2,88 \pm 0,46	0,80 \pm 0,08
4w	N	1,59 \pm 0,22	3,94 \pm 0,93	2,68 \pm 0,40	1,83 \pm 0,35	0,87 \pm 0,11
	T	1,45 \pm 0,18	4,46 \pm 0,94	3,46 \pm 0,42	2,00 \pm 0,29	0,97 \pm 0,09
9w	N	1,00 \pm 0,18	1,00 \pm 0,51	1,00 \pm 0,27	1,00 \pm 0,28	1,00 \pm 0,24
	T	0,77 \pm 0,11	0,92 \pm 0,23	1,37 \pm 0,24	1,20 \pm 0,14	1,22 \pm 0,22

^a 2w: 2-week-old, 4w: 4-week-old, 9w: 9-week-old

^b N: normal, T: bGH-transgenic

^c NF: normalization factor calculated as the geometric mean of the relative expression levels of *RPL13A*, *YWHAZ*, *GSK3B* and *RN18S* for each sample

^d norm: normalized by NF