

Additional File 4: Compilation of exons of *GHRLOS* transcripts.

This is a PDF file listing exons of *GHRLOS*. Exon and (bp) are indicated. Experimental evidence from this study and/or external references for each exon are shown.

Exon	Size	Intron-size (bp)	Experimental evidence of external reference
Ia	51	1138 to exon IIa 1138 to exon IIb	TSS: 5' RACE, RT-PCR
Ib	~1601	2520 to exon III 4746 to exon I	TSS (CAGE cluster immediately upstream), RT-PCR
Ic	~526	1743 to exon IIb 1743 to exon IIb 3125 to exon III 5332 to exon I	TSS (CAGE cluster immediately upstream), RT-PCR
Id	~994	185 to exon I α 3593 to exon IIa 3593 to exon IIb 5820 to exon I	TSS (CAGE cluster immediately upstream), RT-PCR
I α	283	1138 to exon IIa 1138 to exon IIb 2520 to exon III 4746 to exon I	RT-PCR; Splices into 526 bp exon I and 96 bp exon I in the Hep G2 cell line
IIa	157	1225 to exon III 3452 to exon I	RT-PCR
IIb	96	1286 to exon III 3513 to exon I	5' RACE, RT-PCR
III	83	2144 to exon I	
1a	86	1560 to 2a	TSS [1]
1b	63	1434 to 2b	TSS [1]
1c	28	2091 to 3a	TSS [1]
1d	106	2091 to 3b 2149 to 3c 2149 to 3d 6214 to 4a 6469 to 4b	RT-PCR, 5' RACE
2a	68	463 to 3a 463 to 3b 520 to 3c 520 to 3d 4586 to 4a 4841 to 4b	RT-PCR, [1]
2b	156	501 to 3a 501 to 3b 558 to 3c 558 to 3d 4624 to 4a 4879 to 4b	RT-PCR
3a	156		RT-PCR, [1]
3b	162	3965 to exon 1*a 4220 to exon 1*b	RT-PCR, [1]
3c	101		RT-PCR
3d	105		RT-PCR
4a	~1400	Terminating exon	Terminal exon 3' RACE
4b	~1100	Terminating exon	Terminal exon, 3' RACE

References

1. Seim I, Collet C, Herington AC, Chopin LK: **Revised genomic structure of the human ghrelin gene and identification of novel exons, alternative splice variants and natural antisense transcripts.** *BMC Genomics* 2007, **8**:298.