Table 1. Analysis of Type I and II Lactotrophs, Gonadotrophs and Somatotrophs in Male Wild-Type and ANXA1 Null Mice.

Animal	Cell area (μm^2)	Cytoplasmic area (μm^2)	Granule density (% cell area)	Granule diameter (nm)	Rough ER (units)	Density of cells (% total cells)
Type I lactotrophs						
Wild-type	41 ± 3	23 ± 2	26 ± 2	270 ± 20	1.03 ± 0.1	7 ± 1
ANXA1 null	43 ± 4	23 ± 2	34 ± 3	285 ± 22	1.7 ± 0.1**	5 ± 2
Type II lactotrophs						
Wild-type	41 ± 4	20 ± 2	30 ± 2	81 ± 3	0.87 ± 0.1	8 ± 2
ANXA1 null	43 ± 4	24 ± 2	29 ± 2	89 ± 2	1.43 ± 0.1**	8 ± 2
Gonadotrophs						
Wild-type	67 ± 8	51 ± 6	19 ± 1	151 ± 10	0.5 ± 0.1	18 ± 2
ANXA1 null	77 ± 5	61 ± 4	14 ± 1	137 ± 11	1.2 ± 0.2**	19 ± 2
Somatotrophs						
Wild-type	55 ± 3	41 ± 2	48 ± 2	131 ± 2	0.93 ± 0.1	43 ± 2
ANXA1 null	63 ± 3	47 ± 2	46 ± 1	147 ± 2	1.32 ± 0.1**	45 ± 3

Values represent mean ± SEM ($n = 4$ animals). **$P < 0.01$ versus wild-type of the same gender. ER, Endoplasmic reticulum.