

TABLE IV  
Intramitochondrial Structure

	All peripheral cells	P-1	P-2	P-3,4	All midzonal cells	C-3,4	C-2	C-1	All central cells
Number of micrographs	27	9	9	9	27	9	9	9	27
Total area of mitochondria ( $\mu^2$ )	123.2	37.1	44.0	42.4	123.0	29.7	25.1	24.8	80.3
<i>% Mitochondrial volume</i>									
Envelope	13.8	13.5	13.9	13.9	16.1	19.1	23.6	26.3	23.0
(Standard error)	(0.2)	(0.4)	(0.3)	(0.4)	(0.5)	(0.8)	(1.2)	(0.7)	(0.8)
Cristae	25.5	25.0	25.6	25.9	27.6	26.3	23.8	23.8	24.8
(Standard error)	(0.5)	(0.9)	(1.0)	(0.7)	(0.6)	(0.8)	(1.2)	(0.6)	(0.6)
Matrix	60.7	61.5	60.5	60.2	56.3	54.6	52.6	49.9	52.2
(Standard error)	(0.5)	(1.0)	(0.9)	(0.8)	(0.8)	(0.9)	(1.4)	(0.8)	(0.7)
Total cristae intersections counted	8283	2561	2839	2883	9290	2326	1947	1836	6109
$\mu^2$ Cristae membrane									
$\mu^3$ Mitochondria	21.4	21.9	20.5	21.8	24.3	24.4	24.6	23.5	24.2
(Standard error)	(0.4)	(1.0)	(0.7)	(0.6)	(0.4)	(0.6)	(1.1)	(0.8)	(0.5)
Total dense granules counted	914	303	304	307	816	286	201	207	694
$\mu^2$ Matrix cross-section									
Number dense granules	12.2	13.3	11.4	12.0	11.8	17.6	15.2	16.7	16.6
$\mu^3$ Matrix									
Approximate number dense granules*	190	200	180	180	180	270	230	260	260

\* Calculated by formula {5} using  $\bar{D} = 0.025\mu$ ,  $p = 0.005\mu$  and  $t = 0.05\mu$ .