

Table 1. Non significant difference between orientation planes were found in the number of perisomatic dendrites

Number of perisomatic dendrites							
Type of Pyramidal cell	Orientation (section plane)						Ranksum test
	Longitudinal			Transverse			
	N	mean	s.d.	N	mean	s.d.	p value
<b>Basilar</b>	8.0	4.9	2.4	13.0	6.2	3.6	1.0
<b>Non-Basilar</b>	8.0	7.6	3.0	6.0	6.2	4.2	1.0

Table 2 Marginal difference between orientation planes were found in the length of perisomatic dendrites (Significance after Holm-Bonferroni correction, 0.06)

Length of perisomatic dendrites							
Type of Pyramidal cell	Orientation (section plane)						Ranksum test
	Longitudinal			Transverse			
	N	mean	s.d.	N	mean	s.d.	p value
<b>Basilar</b>	8.0	33.7	17.8	13.0	25.2	10.7	0.474
<b>Non-Basilar</b>	8.0	34.4	18.6	6.0	26.7	16.5	0.029

Table 3 Non significant difference between orientation planes were found in the number of apical dendrites

Number of Apical Dendrites							
Type of Pyramidal cell	Orientation (section plane)						Ranksum test
	Longitudinal			Transverse			
	N	mean	s.d.	N	mean	s.d.	p value
<b>Basilar</b>	8.0	2.4	0.7	13.0	3.6	5.6	1.0
<b>Non-Basilar</b>	8.0	2.0	1.1	6.0	1.2	0.4	1.0

Table 4. Significant difference between orientation planes were found in the angles between daughter apical dendrites (Significance after Bonferroni correction, 0.0002)

<b>Bifurcation Angle of Apical Dendrites</b>							
<b>Type of Pyramidal cell</b>	<b>Orientation (section plane)</b>						<b>Ranksum test</b>
	<b>Longitudinal</b>			<b>Transverse</b>			
	<b>N</b>	<b>mean</b>	<b>s.d.</b>	<b>N</b>	<b>mean</b>	<b>s.d.</b>	<b>p value</b>
<b>Basilar</b>	8.0	60.4	10.9	13.0	33.3	8.5	p<0.0001
<b>Non-Basilar</b>	8.0	65.7	14.1	6.0	37.0	11.4	p<0.0001

Table 5 Significant difference between orientation planes were found in the extension of the apical dendritic tree (Significance after Bonferroni correction, 0.002)

<b>Total Width of Apical Dendritic Tree</b>							
<b>Type of Pyramidal cell</b>	<b>Orientation (section plane)</b>						<b>Ranksum test</b>
	<b>Longitudinal</b>			<b>Transverse</b>			
	<b>N</b>	<b>mean</b>	<b>s.d.</b>	<b>N</b>	<b>mean</b>	<b>s.d.</b>	<b>p value</b>
<b>Basilar</b>	8.0	217.6	113.4	13.0	61.9	25.4	0.00075
<b>Non-Basilar</b>	8.0	194.5	73.0	6.0	62.5	23.3	0.001