

ERRATUM

## Myelin Structure and Composition in Zebrafish

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The following error was published in Table 1 of this article.

In the first column (with the heading “Sample”), the numbers in brackets have been erroneously hypertext-

linked to the reference list. The brackets should be parentheses. As indicated by the next to the last sentence in footnote “a”, the numbers refer to the number of samples examined. The correct Table 1 appears below.

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**Table 1** Summary of X-ray diffraction measurements

Sample <sup>a</sup>	Dimension <sup>b</sup> (Å)						<i>N</i> <sup>c</sup>	<i>M/(M+B)</i> <sup>d</sup>		
	<i>d</i>	<i>2u</i>	<i>d – 2u</i>	<i>cyt</i>	<i>lpg</i>	<i>ext</i>				
<b>Optic nerve</b>										
<b>WT</b>										
116 mM NaCl (2)	153 (0.5)	72 (1.5)	81 (2.0)	–	–	–	3.9	0.073 (0.021)		
60 mM NaCl (1)	155	71	84	–	–	–	3.6	0.074		
30 mM NaCl (1)	151	70	81	–	–	–		0.073		
No calcium (1)	154	72	82	–	–	–		0.061		
10 mM calcium (1)	152	74	79	–	–	–		0.087		
116 mM NaCl pH 3.5 (2)	149 (0.5)	70 (0)	79 (0.5)	–	–	–		0.079 (0.035)		
<b><i>mbpAsp25Val</i><sup>a</sup></b>										
116 mM NaCl (2)	151 (0.6)	70 (0.5)	81 (1.1)	–	–	–		0.058 (0.010)		
<b>WT sibAsp25Val<sup>a</sup></b>										
116 mM NaCl (2)	152 (1.1)	71 (1.4)	82 (0.4)	–	–	–		0.067 (0.007)		
<b>Lateral line nerve</b>										
<b>WT</b>										
116 mM NaCl (2)	162 (0.8)	69 (1.5)	93 (2.3)	28 (1.0)	43 (0.9)	49 (0)	6.1	0.078 (0.017)		
60 mM NaCl (2)	162 (0.4)	72	91	26	46	44	4.8	0.028 (0.020)		
30 mM NaCl (2)	163 (0.4)	–	–	–	–	–	4.9	0.010 (0.009)		
No calcium (3)	163 (0.3)	67 (1.1)	96 (0.9)	28 (0.1)	41 (0.4)	52 (1.2)		0.020 (0.010)		
10 mM calcium (2)	162 (0.4)	70	92	27	42	49		0.033 (0.003)		
116 mM NaCl pH 3.5 (1)	158	66	92	27	41	48		0.040		
<b><i>mbpAla2Thr</i><sup>a</sup></b>										
116 mM NaCl (2)	164 (0.4)	70 (0)	94 (0.4)	27 (2.4)	43 (2.0)	52 (2.0)		0.057 (0.005)		
No calcium (2)	164 (0.8)	70 (0)	95 (0.8)	30 (1.8)	41 (0.7)	53 (0.4)		0.046 (0.004)		
10 mM calcium (1)	162	70	92	28	42	50		0.069		
<b><i>mbpAsp25Val</i><sup>a</sup></b>										
116 mM NaCl (3)	161 (0.8)	69 (0.4)	91 (0.9)	29 (0.8)	41 (0.8)	50 (0)		0.059 (0.010)		
<b>WT sibAsp25Val<sup>a</sup></b>										
116 mM NaCl (1)	161	69	92	28	41	50		0.069		

“–” indicates dimensions not shown owing to unresolved cytoplasmic separation

*cyt* cytoplasmic separation, *lpg* distance between polar headgroups, *ext* extracellular separation, *2u* and *d – 2u*, see Fig. 3 legend

<sup>a</sup> For PNS and CNS myelin, lateral lines and optic nerves were dissected from WT zebrafish and from zebrafish mutants (*mbpAsp25Val* and *mbpAla2Thr*) obtained from Dr. Talbot's laboratory (Stanford University). Number in parentheses indicates number of fish examined. Unless indicated otherwise all solutions contain 2.9 mM KCl, 1.8 mM CaCl<sub>2</sub>, 5 mM HEPES at pH 7.2

<sup>b</sup> Myelin period (*d*) was determined from the positions of the reflections in the X-ray patterns, and the dimensions of the membrane and intermembrane spaces were determined from the electron density profiles calculated from the measured diffracted intensities. Number in parentheses indicates standard deviation for more than one sample

<sup>c</sup> Number of myelin lamellae

<sup>d</sup> The ratio of diffracted intensity in the reflections from myelin to the total intensity in the diffraction pattern (excluding the intense spillover from the direct beam near the center of the pattern and the flat intensity outside the major portion of the diffraction pattern). This parameter is an estimate of the amount of myelin that is subtended by the X-ray beam in the whole nerve [21]