

**Supplemental Table A. Correlation of Staining with Per Cent Identities of pgf Proteins and PLP 50-69 and 100-123<sup>a</sup>**

Species	50-69 <sup>b</sup> AA Sequence: (F S K N Y Q D Y E Y L I N V I H A F Q Y)				100-123 <sup>c</sup> AA Sequence: (F G D Y K T T I C G K G L S A T V T G G Q K G R)			
	Most similar pgf myelin protein(s) (% identity)	Myelin Staining	Most similar pgf neuron protein(s) (% identity)	Neuron Staining	Most similar pgf myelin protein(s) (% identity)	Myelin Staining	Most similar pgf neuron protein(s) (% identity)	Neuron Staining
Cow	bPLP (100)	+	Rh-29 (37)	--	bPLP (100)	+	hM6a,b (0) mM6a,b (0) rtM6a (0)	--
Rabbit	rbPLP (100)	+		--	rbPLP (100)	+		--
Rat	rtPLP (100)	+		--	rtPLP (100)	+		--
Mouse	mPLP (100)	+	mM6b (40)	+	mPLP (100)	+	mM6 <del>ab</del> (350) mM6b (0)	--
Barn owl	ZF PLP (85) Ch PLP (95)	+	Ch M6b (4040)	--	ZF PLP (91) Ch PLP (91)	+	ChM6-ChM6a (2450) ChM6b (29)	--
<i>Rana Pipiens</i> <sup>d</sup>	Xe PLP <sub>1</sub> (850) Xe DM $\beta$ (39)	+	Xe M6b (45)	Xe DM $\gamma$ 1 (45)	Xe PLP <sub>2</sub> (54)	+	Xe PLP <sub>1</sub> (46)	Xe DM $\gamma$ 2/M6b
Xenopus								
Malawi Cichlid	RTr DM20 (540) Zfsh DM $\alpha$ 1 $\gamma$ 2 (435) Zfsh DM $\alpha$ 2a,b,c (35)	+	Zfsh M6a (30)	+	RTr DM20 (0) Zfsh DM $\gamma$ 2 (3029)	--	Zfsh DM $\beta$ 26ab (39)	--
Leopard Shark	Sq DM $\alpha$ (6055) Sq DM $\gamma$ (340)	+	Sq DM $\alpha$ (6055) Sq DM $\gamma$ (4035) Sq DM $\beta$ (23)	+	Sq DM $\alpha$ (0) Sq DM $\gamma$ (0) Sq DM $\beta$ (34)	--	Sq DM $\beta$ (34)	+

<sup>a</sup> Abbreviations for pgf proteins are defined in Table II. + = staining present; -- = staining absent; <sup>b</sup> staining with anti-50-69 mAbs F4.4C2 and F3.9E9; <sup>c</sup> staining with anti-100-123 mAb F4.2D2; <sup>d</sup> spinal ventral horn cells only