

Corrigendum

Corrigendum to: A novel rod-like opsin isolated from the extra-retinal photoreceptors of teleost fish*[FEBS Letters 468 (2000) 181–188]¹*Alisdair R. Philp^{a,2}, James Bellingham^{a,2,*}, Josè-M. Garcia-Fernandez^b, Russell G. Foster^a^a*Department of Biology, Sir Alexander Fleming Building, Imperial College of Science, Technology and Medicine, London SW7 2AZ, UK*^b*Departamento de Morfología y Biología Celular, Universidad de Oviedo, 33071 Oviedo, Spain*

In the original publication of this paper, Fig. 2 contained some errors. The corrected figure and legend are reproduced on the following page.

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Bovine	MNGTEGPNFYVPFSNKTGVVRSPEAPQYYLAEPWQFSMLAAYMFLIMLGFPINFLTLY	60
Goldfish	DM....M..A..I....YDY.....VA..AYAC.....F..IT...V.....	
Fugu Eye	F....MV.T.....YDY.....VN.AAYAA.G.....L.....	
Salmon Retina	D....M..A..I..N.Y.Y....VS.AAY.LM.....F..LT.....	
Fugu Brain	I.M.....Y.....KY.LV...LF..ITA..V....F	
Salmon Pineal	M.....H.....A..KY.L....IF..ITA..V.....	
	+ +	
Bovine	VTVQHKKLRTPNLNYILLNLAVADLFMVFGGFTTTLYTSLHGYPVFGPTGCNLEGFFATLG	120
Goldfish	..IE.....IS.....M.....RV...P.....	
Fugu Eye	..IE.....M...M....L.RL.....	
Salmon Retina	..IE.....A.....I.....M...M....R....I.A...H.	
Fugu Brain	...K.....V.....I...V...A..A..L.V...I.....	
Salmon Pineal	V...V..A.A.Q...FL.V...V.....M.	
	* %	
Bovine	GEIALWSLVVLAIERVYVVCCKPMSNFRFGENHAIMGVAFTWVMALACAAPPLVGWSRYIP	180
Goldfish	..MG.....F..WM....V.....V...F..CT..V.....	
Fugu Eye	...G.....W.....I.....L...I..S...V.....	
Salmon Retina	...G.....WL....I.....S.T..I.....S..SV...L.....	
Fugu Brain	V...I.....T.....K..A.LV...I..T..T..L.....	
Salmon Pineal	I.....T...N.R...V.....I.S.T..L...C.....	

Bovine	EGMQCSCGIDYYTPHEETNNESFVIYMFVVFHFIPLIVIFFCYGQLVFTVKEAAAQQQES	240
Goldfish	V....RPQAY.....I.....R..C.....HE..	
Fugu Eye	V....RA.GF.....C..L...I.....R.LCA.....A....	
Salmon Retina	RAPGV.....V...I...S...FI.T...N.LCA..A..A....	
Fugu Brain	KP.I..T.....IL..S...AI.....SR.LC..RA...L....	
Salmon Pineal	TP.LG.T.....TL..S...VI.G...R.LC..RA..L....	
	*	
Bovine	ATTQKAEKEVTRMVIIMVIAFLICWLPHYAGVAFYIFTHQGSDFGPIFMTIPAFFAKTSAV	300
Goldfish	E...R..R.....V....G....I...S..W.....E...V...L.....A..	
Fugu Eye	E...R..R.....L...S..V.....W.....E...V.....S.SI	
Salmon Retina	E...R.....M..VSY.VS.V...S..W...CN...E...V.....S..L	
Fugu Brain	E...R.....V...S..V..V...S..W...AN..TE...V...A.....SA.L	
Salmon Pineal	E...R.....V...SY.V..M...T..W...AN..TN...VM.....SA.L	
	§	
Bovine	YNPVIYIMMNKQFRNCMVTTLCCGKNPLGDDE-ASTTVSKTETS-----QVAPA	348
Goldfish	...C...C.....H..I.....FEEE.G....A....A.SVSSSS.S..	
Fugu Eye	...M...C.....H..I.....FEEE.G....-....A.SVSSSS.S..	
Salmon Retina	...L..VL.....H..I.....FEEE.G....A....A.SVSSSS....	
Fugu Brain	LL.R.....I..V.....F...D-.A.....QS.SVSSS....	
Salmon Pineal	...I...LL.R.....L.IV.....F.EE.-T..AS...QA.SISAS....	
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Fig. 2. Amino acid alignment of the retinal rod- and pineal/brain rod-like opsins with bovine (K00506) and goldfish (L11863) rod-opsin. Membrane-embedded residues of the α -helices are indicated according to the model by Baldwin [48]. Conserved functional opsin features include: glycosylation sites Asn-2 and Asn-15 (+); disulphide bridge Cys-110 and Cys-187 (*); chromophore attachment site Lys-296 (§), and Schiff base counterion Glu-113 (%); palmitoylation site Cys-322 and Cys-323(=); transducin binding Glu-134Arg-135Tyr/Trp-136 (−).