

Add. File 09: Chromatic and achromatic contrast between the pupil with and without the optic nerve transmitted eyeshine, as perceived by *T. delaisi*, to assess the potential for intraspecific communication. The model assumes a trichromatic visual system for *T. delaisi* based on micro-spectrophotometric data (unpublished). Chromatic difference values and achromatic difference values are expressed in just-noticeable-differences. See Materials and Methods for more details on model parameters and explanation of values presented.

5 m depth		20 m depth		
Chromatic	Achromatic	Chromatic	Achromatic	
0.50	7.59	0.41	7.86	individual <i>T. delaisi</i>
0.44	6.56	0.34	6.81	
0.41	3.90	0.34	4.09	
0.19	2.82	0.15	2.94	
0.20	3.39	0.16	3.49	
0.35	4.85	0.97	5.04	mean