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Müller, W. E. G., Steffen, R., Lorenz, B., Batel, R., Kruse, M., Krasko, A., Müller, I. M. and Schröder, H. C. (2001). Suppression of allograft rejection of the sponge *Suberites domuncula* by FK506 and expression of genes encoding FK506-binding proteins in allografts. *J. Exp. Biol.* **204**, 2197–2207

Wasserthal, L. T. (2001). Flight-motor-driven respiratory air flow in the hawkmoth *Manduca sexta*. *J. Exp. Biol.* **204**, 2209–2220

D'Août, K., Curtin, N. A., Williams, T. L. and Aerts, P. (2001). Mechanical properties of red and white swimming muscles as a function of the position along the body of the eel *Anguilla anguilla*. *J. Exp. Biol.* **204**, 2221–2230

Ellerby, D. J., Spierts, I. L. Y. and Altringham, J. D. (2001). Fast muscle function in the European eel (*Anguilla anguilla* L.) during aquatic and terrestrial locomotion. *J. Exp. Biol.* **204**, 2231–2238

Ellerby, D. J. and Altringham, J. D. (2001). Spatial variation in fast muscle function of the rainbow trout *Oncorhynchus mykiss* during fast-starts and sprinting. *J. Exp. Biol.* **204**, 2239–2250

Nauen, J. C. and Lauder, G. V. (2001). Locomotion in scombrid fishes: visualization of flow around the caudal peduncle and finlets of the chub mackerel *Scomber japonicus*. *J. Exp. Biol.* **204**, 2251–2263

Gebhardt, M. and Honegger, H.-W. (2001). Physiological characterisation of antennal mechanosensory descending interneurons in an insect (*Gryllus bimaculatus*, *Gryllus campestris*) brain. *J. Exp. Biol.* **204**, 2265–2275

Prilutsky, B. I. and Gregor, R. J. (2001). Swing- and support-related muscle actions differentially trigger human walk-run and run-walk transitions. *J. Exp. Biol.* **204**, 2277–2287

Rheault, M. R. and O'Donnell, M. J. (2001). Analysis of epithelial K⁺ transport in Malpighian tubules of *Drosophila melanogaster*: evidence for spatial and temporal heterogeneity. *J. Exp. Biol.* **204**, 2289–2299

Williams, J. B., Ostrowski, S., Bedin, E. and Ismail, K. (2001). Seasonal variation in energy expenditure, water flux and food consumption of Arabian oryx *Oryx leucoryx*. *J. Exp. Biol.* **204**, 2301–2311

Maina, J. N. and Nathaniel, C. (2001). A qualitative and quantitative study of the lung of an ostrich, *Struthio camelus*. *J. Exp. Biol.* **204**, 2313–2330

Gibbs, A. G. and Matzkin, L. M. (2001). Evolution of water balance in the genus *Drosophila*. *J. Exp. Biol.* **204**, 2331–2338

Willsie, J. K. and Clegg, J. S. (2001). Nuclear p26, a small heat shock/α-crystallin protein, and its relationship to stress resistance in *Artemia franciscana* embryos. *J. Exp. Biol.* **204**, 2339–2350

Panserat, S., Plagnes-Juan, E. and Kaushik, S. (2001). Nutritional regulation and tissue specificity of gene expression for proteins involved in hepatic glucose metabolism in rainbow trout (*Oncorhynchus mykiss*). *J. Exp. Biol.* **204**, 2351–2360

Guan, L., Kiemel, T. and Cohen, A. H. (2001). Impact of movement and movement-related feedback on the lamprey central pattern generator for locomotion. *J. Exp. Biol.* **204**, 2361–2370

Fife, M. M., Bailey, C. L., Lee, D. V. and Carrier, D. R. (2001). Function of the oblique hypaxial muscles in trotting dogs. *J. Exp. Biol.* **204**, 2371–2381