

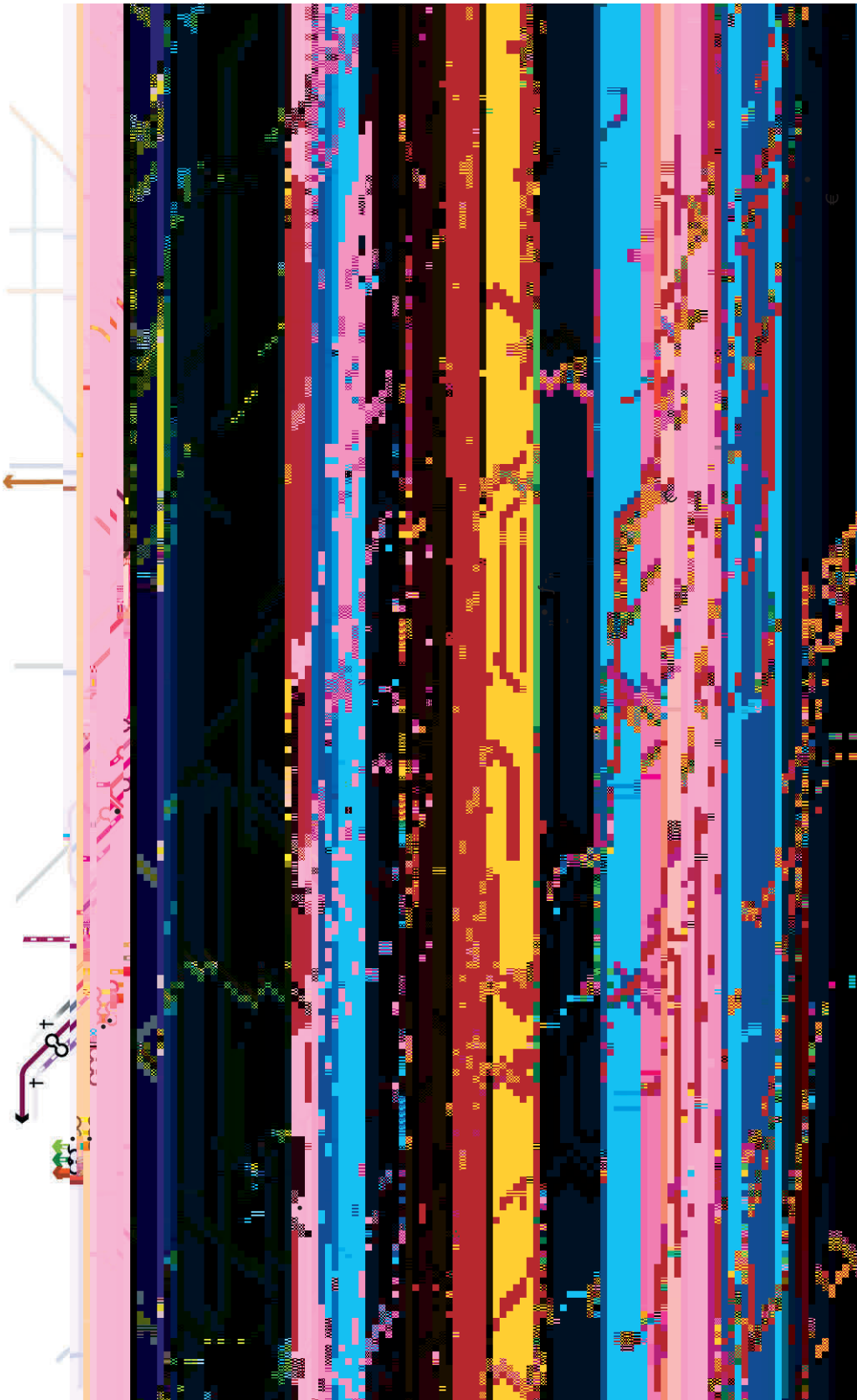
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KEYWORDS: anagenetic – cladogenetic – phylogenetics – speciation – species – split

INTRODUCTION

In a previous review appearing in the *Journal of the Linnean Society* (Vaux, 2016; Morgan-Richards, 2016), we considered the use and meaning of the terms ‘anagenesis’ and ‘cladogenesis’. We observed that the meaning of these terms has changed over time, and that modern usage is highly varied across disciplines and is often ambiguous. We concluded that the terms anagenesis and cladogenesis were not needed to describe evolution or species classification, and that their use potentially hamper communication between disciplines. For example, some studies define ‘anagenesis’ as evolutionary change within a species (Johnstone & Hunt, 2012; Hunt, 2013; Lister, 2013), whereas others consider the term to be synonymous with geographic speciation (Ricklefs, 2004; Theriot et al., 2006; Morgan-Richards & Bokma, 2008; Pearson & Ezard, 2014). Variability in usage between disciplines is obvious. For

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