



**Figure S1** A probability density graph of distribution of read alignment mapping qualities in a *C. intestinalis* (blue line) and *C. savignyi* (black line) dataset is shown at bottom. Mapping qualities range from 0 to 37, with higher numbers meaning better quality alignment (Li *et al.* 2009). Red dashed line indicates the MapQ value of 15, which was used as the cutoff for mapping analysis.