



**Figure S3. *POU2F3* exhibits tuft cell-specific correlation with *POU2AF2* in the human colon.** (a) UMAP embedding of our previous analysis of Smillie *et al.*,<sup>34</sup> healthy human colonic epithelium scRNAseq<sup>7</sup>. (b) The mean expression of refined trans-eQTL targets within cells. (c) *POU2F3* expression across cell, with *POU2AF2*, *COLCA1* and *POU2AF3* for comparison. (d) Pairwise correlations between the expression of refined 11q23.1 trans-eQTL targets across scRNAseq clusters of (a). Only significant ( $p < 0.05$ ) associations are shown.