



**Supplementary Figure 9. The dominant trajectories for Module A.** For each ocMOF subgroup, where panel **a** to **e** correspond to *ocMOF i* to *v*, the dominant trajectories of the module (thick colored lines) are obtained by averaging all dominant trajectories of gene sets belonging to the module (gray lines). Panel **f** plots all five ocMOF subgroup dominant trajectories for module A in a one plot by aligning them to a common initial reference.