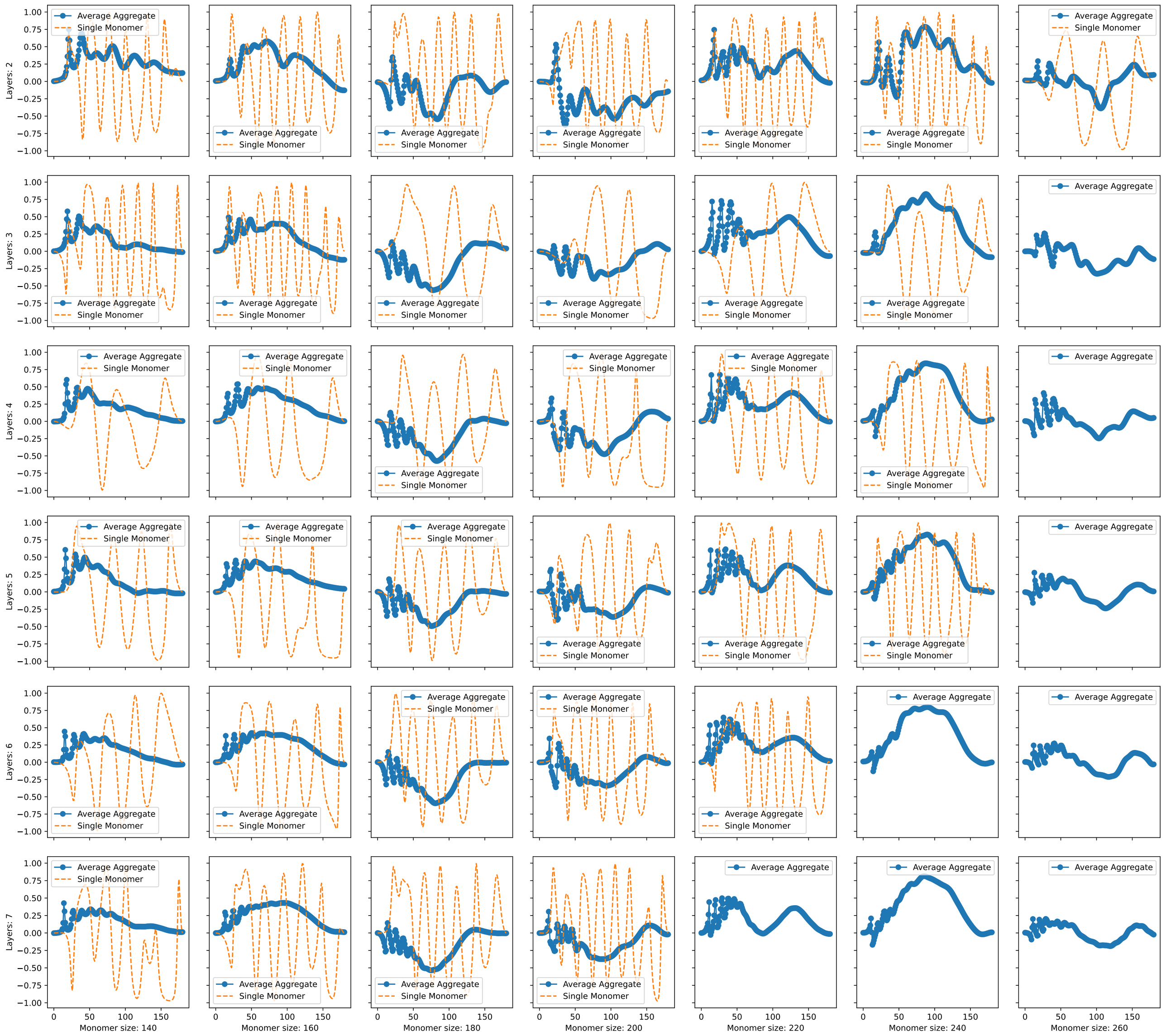Effect of Number of Layers and size of Monomers on Polarisation