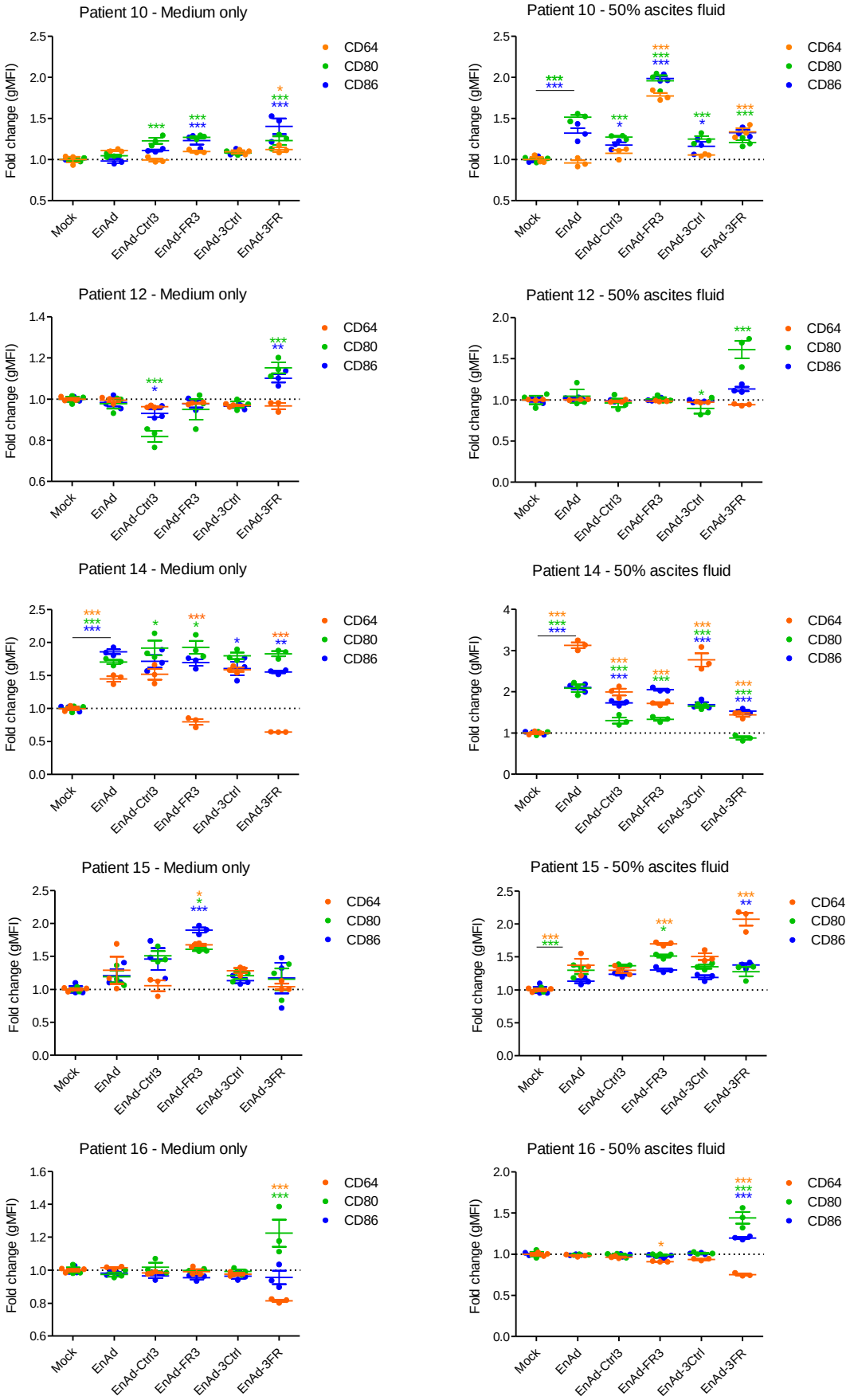Additional File 11