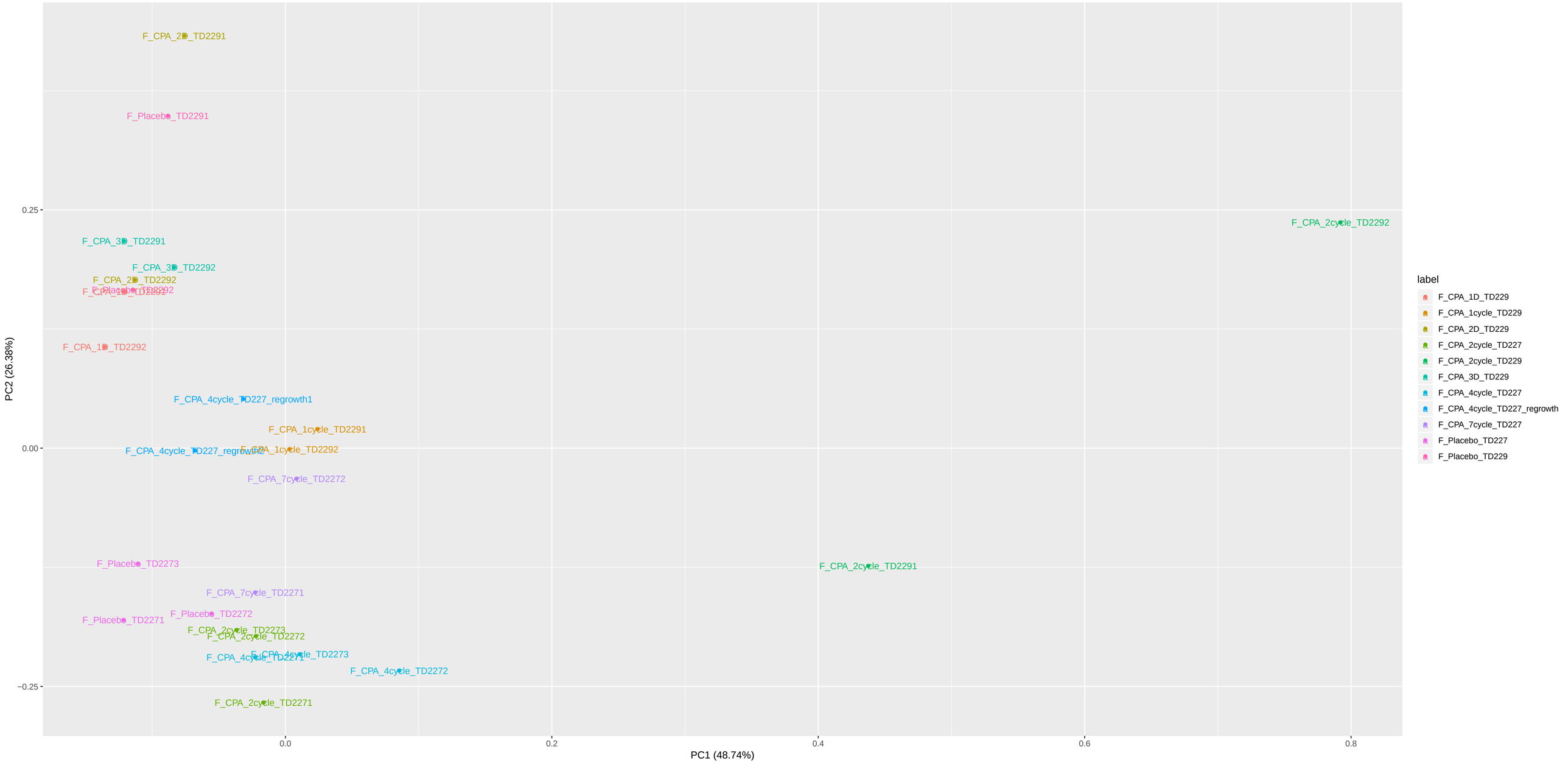significant genes (|FC|>2 and FDR<0.05), Genes: 5277