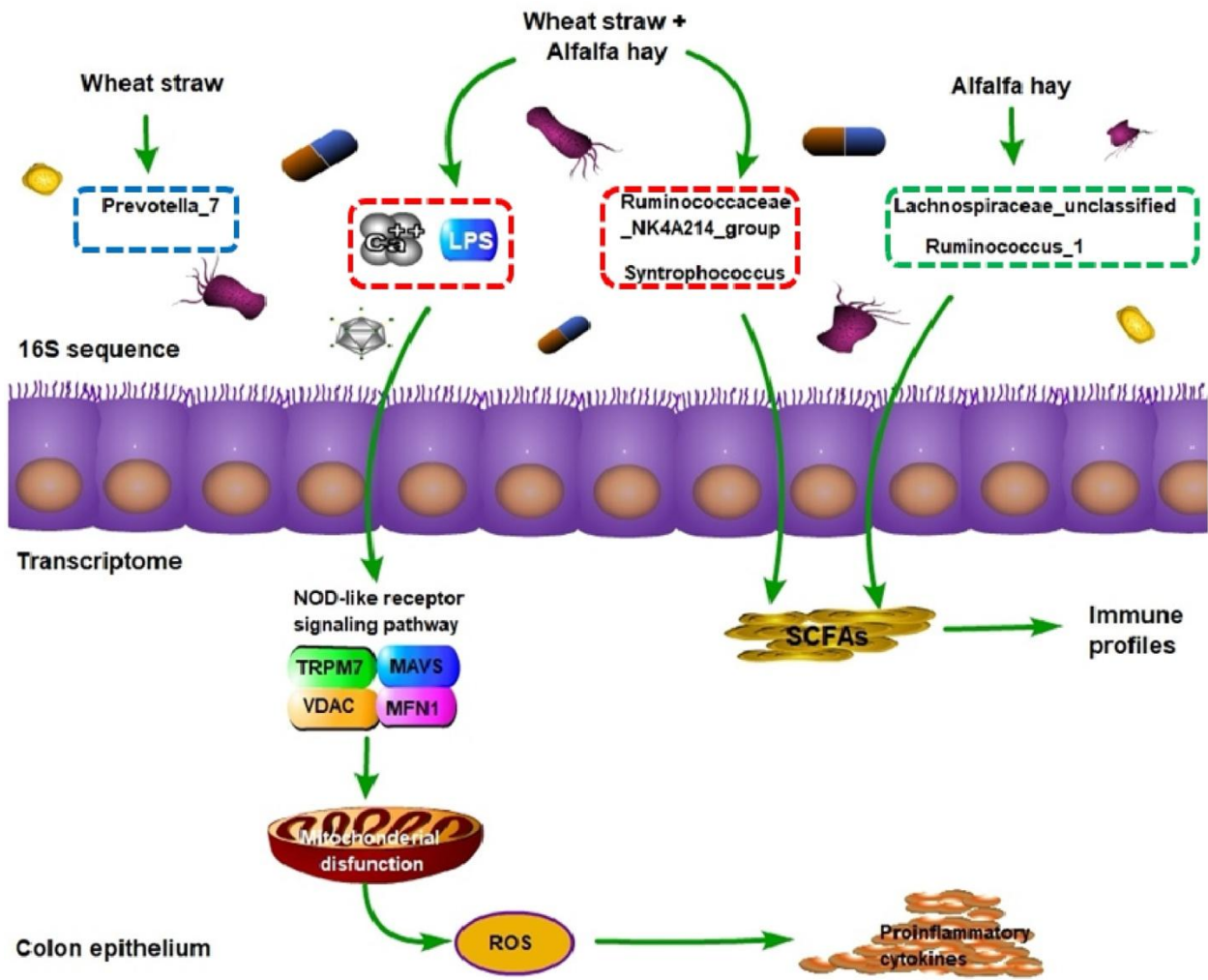


# Graphical Abstract



Systematic illustration of how alfalfa hay and wheat straw alone or combined alters the colon bacteria and epithelium in lambs fed in a HGB diet.