



**Figure S1.** Mean frequencies (%) of Ig secreting B cells (a,d), ratio of activated vs. naive B cells (b,e), memory B cells (c,f) cell subpopulations among B lymphocytes (CD79β<sup>+</sup>) in milk and tissues respectively of RVA (OSU)/mock inoculated sows fed VAS and VAD(±VA) diets during gestation and postpartum. \*  $p < 0.05$ .