



*Fig. S3.* Immunoblot and Immunohistochemical images showing differential activation of Akt FABP-5 and PPAR  $\beta/\delta$  in human psoriatic lesions and IMQ-treated Balb/c mice lesions vs controls. (A) Immunoblot analysis showing the activation and increased expression of AKT (phospho-Akt Ser<sup>473</sup>) and its downstream targets p-p44/42 and phospho-S6 from skin tissue lysates of control Balb/c and IMQ-treated mouse skin. Immunohistochemical images showing differential activation and expression of: FABP-5 in (B) human psoriatic lesions (top panel and inset) versus control skin weak expression (bottom panel and inset), and (C) IMQ-induced Balb/c lesions (top panel) versus weak expression in control Balb/c mouse skin (bottom panel). PPAR  $\beta/\delta$  in (D) human psoriatic lesions (top panel) compared to weak expression in healthy normal skin (bottom panel), and (E) IMQ-induced Balb/c mouse skin lesions compared to weak staining in Balb/c control mouse. Scale bars: 50  $\mu$ m and inset scale 150  $\mu$ m.