

**Table SI. Diagnostic criteria of amicrobial pustulosis of the folds (APF) (adapted from Marzano et al. (2)). The diagnosis is ascertained when the 3 mandatory and 1 minor criteria are present**

| Mandatory criteria  | Minor criteria   |
|---|--|
| 1. Pustulosis involving 1 or more major folds, 1 or more minor folds and the anogenital area    | 1. Association with 1 autoimmune disorder at least   |
| 2. Histological features consisting of spongiform pustules and a neutrophilic dermal infiltrate | 2. Antinuclear antibody titre > 1/160  |
| 3. Negative microbiological samplings   | 3. Presence of 1 or more of anti-extractable nuclear antibody, anti-DNA, anti-smooth muscle, anti-mitochondrial, anti-gastric parietal, and anti-endomysial antibodies |