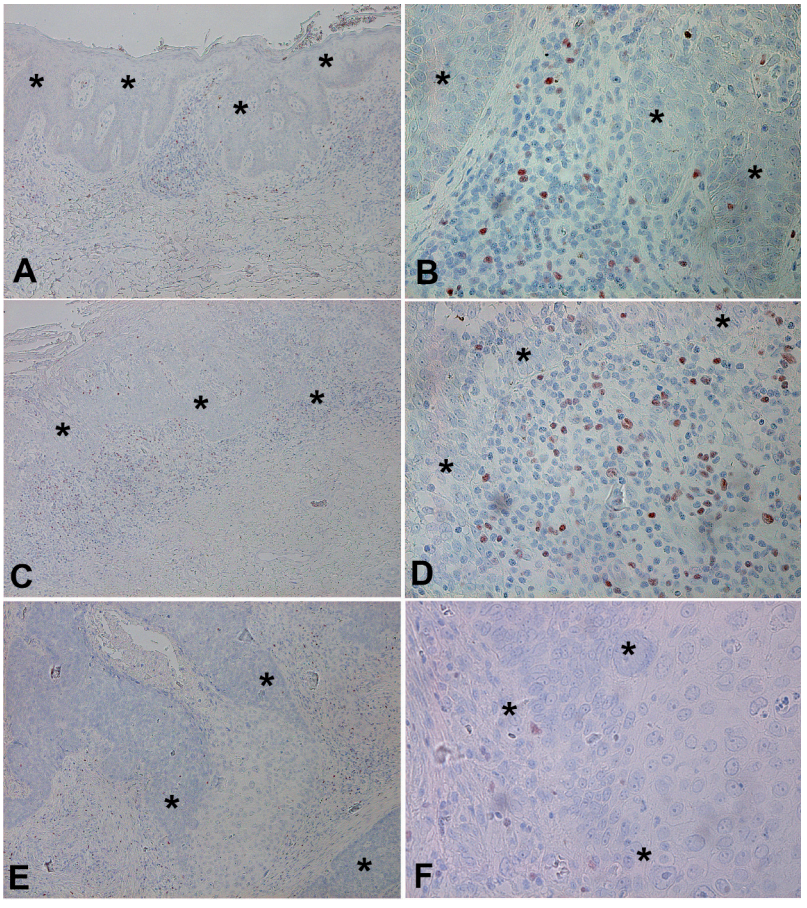

Fig. S1. Foxp3^{+} Tregs in non-invasive, micro-invasive and invasive Bowen's disease. Paraffin-embedded tissue samples from patients with non-invasive BD (A, B), micro-invasive BD (C, D) and invasive BD (E, F) were deparaffinised and stained with anti-Foxp3 Ab (B, D, F). Sections were developed with liquid permanent red. (Foxp3 staining for regulatory T cells) (A, C, E: ×100; B, D, F: ×400) (Asterisk: Tumour site).

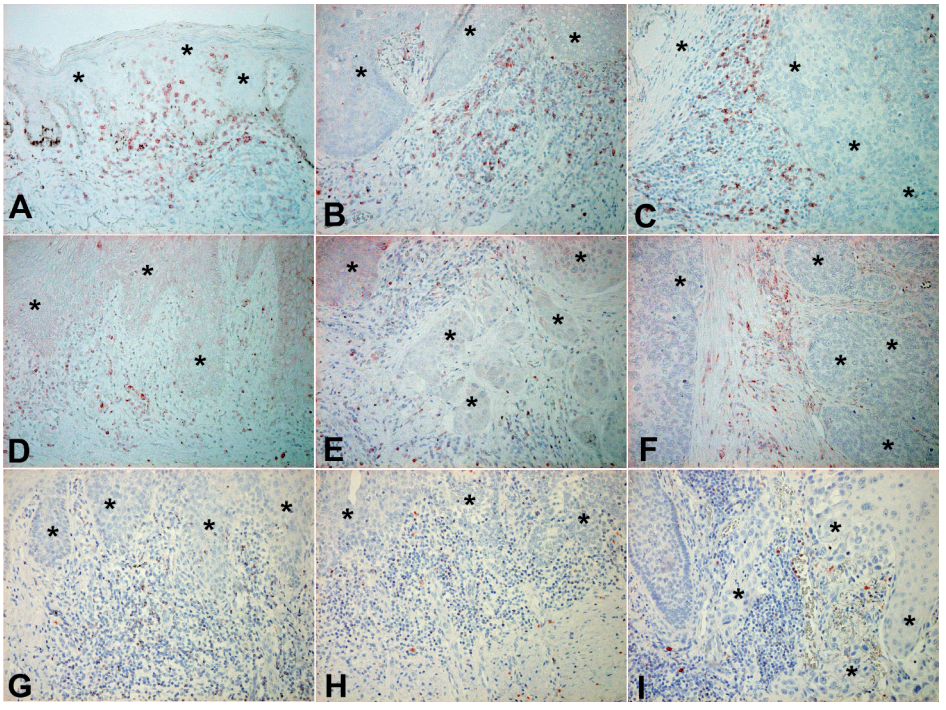

Fig. S2. $CD8^+$ cells, granulysin-bearing cells and TIA-1^+ cells in non-invasive, micro-invasive and invasive Bowen's disease. Paraffin-embedded tissue samples from patients with non-invasive BD (A–C), micro-invasive BD (D-F) and invasive BD (G-I) were deparaffinised and stained with the anti-CD8 Ab (A, D, G), anti-granulysin Ab (B, E, H) or an anti-TIA-1 Ab (C, F, I). Sections were developed with liquid permanent red (original manifestation ×200) (Asterisk: Tumour site).

Table SI. *Summary of 5 cases of non-invasive, micro-invasive and invasive Bowen's disease*

Case	Age, years/Sex	Location
Non-invasive		
Case 1	74/M	Back
Case 2	85/M	Back
Case 3	69/M	Lower leg
Case 4	76/F	Upper leg
Case 5	80/M	Forearm
Micro-invasive		
Case 1	71/M	Finger
Case 2	77/M	Finger
Case 3	78/M	Dorsal hand
Case 4	82/F	Lower leg
Case 5	68/M	Lower leg
Invasive		
Case 1	76/M	Lower leg
Case 2	68/M	Lower leg
Case 3	78/M	Lower leg
Case 4	74/M	Ear
Case 5	84/F	Finger

Table SII. *Summary of the clones of the antibodies and the antibody retrieval methods*

	Host species	Clone	Antigen retrieval	Conc. Primary Ab	Secondary Ab
CD8	Mouse	C8/144B	Autoclave	×50	Rabbit anti-mouse Ab
CD163	Mouse	10D6	Autoclave	×1,000	Rabbit anti-mouse Ab
TIA-1	Mouse	TIA-1	Autoclave	×100	Rabbit anti-mouse Ab
Granulysin	Mouse	RF10	Autoclave	×200	Rabbit anti-mouse Ab
Foxp3	Rabbit	Polyclonal	Autoclave	×200	Goat anti-rabbit AB
B7H1	Rabbit	Polyclonal	Microwave	×1,000	Goat anti-rabbit AB
MMP9	Rabbit	Polyclonal	Microwave	×200	Goat anti-rabbit AB