

Table S2: EMPD human skin samples used in the study (n=38).

Patient ID	Gender	Ethnicity	Age (yrs.)	Body location	Clinical history
170722	Female	Asian	77	Vulva	Primary onset
42120	Male	Asian	63	Scrotum	Primary onset
42211	Male	Asian	84	Scrotum	Recurrence
42323	Male	Asian	66	Scrotum	Primary onset
42420	Male	Asian	60	Scrotum	Primary onset
42737	Male	Asian	59	Scrotum	Primary onset
20150147	Male	Asian	80	Scrotum	Primary onset
20151118	Male	Asian	64	Scrotum	Primary onset
20141752	Male	Asian	28	Scrotum	Primary onset
20120653	Male	Asian	52	Scrotum	Primary onset
170802	Male	Asian	70	Scrotum	Primary onset
170804	Male	Asian	68	Scrotum	Primary onset
27389	Male	Asian	55	Scrotum	Primary onset
28270	Male	Asian	62	Scrotum	Primary onset
24280	Male	Asian	58	Scrotum	Primary onset
27377	Male	Asian	76	Scrotum	Recurrence
20150776	Male	Asian	48	Scrotum	Primary onset
20141576	Male	Asian	53	Scrotum	Primary onset
20142031	Male	Asian	65	Scrotum	Primary onset
141285	Male	Asian	82	Scrotum	Primary onset
156066	Male	Asian	76	Scrotum	Primary onset
155780	Male	Asian	85	Scrotum	Recurrence
155782	Male	Asian	83	Scrotum	Primary onset
155667	Male	Asian	79	Scrotum	Primary onset
155537	Male	Asian	66	Scrotum	Primary onset
15492	Male	Asian	74	Scrotum	Primary onset

16360	Male	Asian	82	Scrotum	Primary onset
164333	Male	Asian	83	Scrotum	Primary onset
165220	Male	Asian	78	Scrotum	Primary onset
164912	Male	Asian	62	Scrotum	Primary onset
1152	Male	Asian	64	Scrotum	Primary onset
164724	Male	Asian	76	Scrotum	Primary onset
164637	Male	Asian	68	Scrotum	Primary onset
EMPD01	Male	Asian	68	Scrotum	Recurrence
EMPD02	Male	Asian	81	Scrotum	Primary onset
EMPD03	Male	Asian	81	Scrotum	Primary onset
EMPD04	Male	Asian	69	Scrotum	Recurrence
20190513	Male	Asian	58	Scrotum	NA