Supplementary Table 1

Baseline characteristics in patients with baseline skin and nail psoriasis

		BE OPTIMAL (bDMARD-naïve)			BE COMPLETE (TNFi-IR)		
	PBO n=88	BKZ 160 mg Q4W n=133	ADA 40 mg Q2W ^a n=42	PBO n=54	BKZ 160 mg Q4W n=105		
Patient characteristics							
Age (years), mean (SD)	48.9 (10.4)	46.3 (11.6)	49.8 (11.8)	49.6 (13.6)	48.8 (11.9)		
Sex, male, n (%)	42 (47.7)	70 (52.6)	23 (54.8)	30 (55.6)	60 (57.1)		
BMI (kg/m²), mean (SD)	29.6 (5.8)	29.8 (6.1)	29.2 (6.1)	28.4 (5.3)	29.9 (5.6)		
Time since PsA diagnosis (years), mean (SD)	7.0 (7.6)	7.8 (9.2)b	6.5 (7.1)	8.5 (7.4) ^c	10.5 (10.0)		
Disease activity		 			 		
PASI score, mean (SD)	9.0 (6.0)	9.2 (7.8)	9.2 (8.4)	9.3 (7.4)	11.8 (10.2)		
DAPSA score, mean (SD)	40.7 (19.5)	41.5 (20.9)	40.7 (19.1)	46.3 (26.1)	44.2 (23.8)		
TJC (of 68 joints), mean (SD)	17.3 (11.6)	18.5 (12.9)	19.0 (11.7)	19.9 (14.9)	18.8 (14.2)		
SJC (of 66 joints), mean (SD)	9.7 (7.9)	10.4 (7.1)	9.2 (6.0)	11.9 (10.1)	11.3 (9.3)		
Enthesitis (LEI >0), n (%)	24 (27.3)	43 (32.3)	10 (23.8)	13 (24.1)	39 (37.1)		
LEI score, ^d mean (SD)	2.5 (1.4)	2.5 (1.5)	2.5 (1.7)	3.0 (1.3)	2.3 (1.5)		
Dactylitis (LDI >0), n (%)	7 (8.0)	25 (18.8)	5 (11.9)	5 (9.3)	17 (16.2)		
LDI score, ^e mean (SD)	64.0 (51.4)	61.7 (74.9)	64.3 (38.0)	43.8 (30.8)	73.1 (93.6)		
mNAPSI score, mean (SD)	4.5 (2.2)	4.4 (2.5)	4.0 (2.0)	5.1 (2.6)	4.8 (2.9)		
hs-CRP ≥6mg/L, n (%)	45 (51.1)	72 (54.1)	19 (45.2)	30 (55.6)	52 (49.5)		
HAQ-DI, mean (SD)	0.92 (0.61)	0.87 (0.58)	0.96 (0.54)	1.08 (0.70)	1.05 (0.56)		
PsAID-12 total score, mean (SD)	4.3 (1.8)	4.3 (1.8)	4.6 (1.7)	4.8 (1.8)	4.9 (2.0)		
Pain VAS, mean (SD)	60.9 (21.5)	56.9 (24.7)	59.1 (24.8)	66.0 (22.6)	62.0 (23.4)		

Supplementary Table 2

Additional efficacy outcomes at Week 104/100 for patients with baseline skin and nail psoriasis (MI, NRI, WCI)

Data are NRI unless otherwise stated	BE OPTIMAL (bDMARD-naïve) Week 104			BE COMPLETE (TNFi-IR) Week 100	
	PBO → BKZ 160 mg Q4W n=88	BKZ 160 mg Q4W n=133	ADA 40 mg Q2W ^a → BKZ 160 mg Q4W n=42	PBO → BKZ 160 mg Q4W n=54	BKZ 160 mg Q4W n=105
ACR20 responders, n (%)	62 (70.5)	97 (72.9)	29 (69.0)	40 (74.1)	80 (76.2)
ACR70 responders, n (%)	36 (40.9)	56 (42.1)	19 (45.2)	22 (40.7)	45 (42.9)
PASI90 responders, n (%)	66 (75.0)	92 (69.2)	32 (76.2)	39 (72.2)	79 (75.2)
ACR50 + PASI100 responders, n (%)	37 (42.0)	56 (42.1)	21 (50.0)	25 (46.3)	47 (44.8)
VLDA responders, n (%)	24 (27.3)	47 (35.3)	16 (38.1)	11 (20.4)	31 (29.5)
DAPSA disease state [WCI],b n (%)	 				
LDA+REM	59 (67.0)	94 (70.7)	29 (69.0)	37 (68.5)	71 (67.6)
REM	27 (30.7)	52 (39.1)	19 (45.2)	16 (29.6)	36 (34.3)
TJC=0 (of 68 joints), n (%)	29 (33.0)	50 (37.6)	19 (45.2)	15 (27.8)	35 (33.3)
SJC=0 (of 66 joints), n (%)	60 (68.2)	90 (67.7)	27 (64.3)	35 (64.8)	68 (64.8)
Enthesitis resolution (LEI=0),° n/N (%)	18/24 (75.0)	28/43 (65.1)	5/10 (50.0)	7/13 (53.8)	28/39 (71.8)
Dactylitis resolution (LDI=0),d n/N (%)	7/7 (100.0)	19/25 (76.0)	4/5 (80.0)	2/5 (40.0)	15/17 (88.2)
Nail psoriasis resolution (mNAPSI=0), n (%)	63 (71.6)	91 (68.4)	32 (76.2)	34 (63.0)	72 (68.6)
HAQ-DI CfB [MI], mean (SE)	-0.40 (0.06)	-0.40 (0.05)	-0.51 (0.11)	-0.51 (0.09)	-0.51 (0.05)
HAQ-DI MCID,e n/N (%)	41/70 (58.6)	62/105 (59.0)	22/37 (59.5)	30/47 (63.8)	58/93 (62.4)
PsAID-12 total score MCID,f n/N (%)	34/68 (50.0)	50/102 (49.0)	22/35 (62.9)	22/45 (48.9)	52/87 (59.8)
Pain VAS ≥50% improvement, ⁹ n (%)	53 (60.2)	77 (57.9)	25 (59.5)	31 (57.4)	68 (64.8)

Randomized set, in patients with baseline skin psoriasis \geq 3% BSA and mNAPSI >0. [a] Reference arm; study not powered for statistical comparisons of ADA to BKZ or PBO; [b] Missing data were imputed using the WCI method. Any missing data or data recorded after discontinuation of the study treatment were categorized as HDA, which is the worst category out of the four DAPSA categories (REM \leq 4, LDA \leq 40APSA \leq 14, MDA \leq 40APSA \leq 28, and HDA DAPSA \leq 28). DAPSA REM+LDA defined as a DAPSA score of \leq 14; [c] In patients with baseline in patients with baseline; [f] Clinically meaningful within-patient improvement referred to here as MCID: decrease of \leq 3 points from baseline in patients with PsAID-12 total score \leq 3 at baseline. PsAID-12 mot collected at Week 100 in BE COMPLETE; [g] Pain VAS assessed using the Patient's Assessment of Arthritis Pain 100mm visual analog scale which ranges from 0 to 100, 0 representing 'no pain' and 100 'most severe pain'; Pain VAS \leq 50% improvement represents a substantial improvement in patient-reported pain.\frac{1}{2}

Randomized set, in patients with baseline skin psoriasis >3% BSA and mNAPSI >0. [a] Reference arm; study not powered for 1 patients; [c] Data missing for 1 patients with enthesitis at baseline; [e] In patients with dactylitis at baseline.

ACR20/50/70% improvement from baseline in American College of Rheumatology response criteria; ADA: high disease activity; high-sensitivity; high-sensitivity

References: ¹Dworkin et al. J Pain 2008;9:105–21.