Supplementary Files

Supplementary Table 1. Baseline demographic and disease characteristics: FUTURE 2-5 pooled

Characteristic	Secukinumab 300 mg (N=404)	Secukinumab 150 mg (N=812)	Placebo (N=591)				
Age (years), mean (SD)	47.7 (12.4)	48.2 (12.0)	48.5 (11.9)				
Female	202 (50·0)	410 (50·5)	326 (55·2)				
BMI, (kg/m²), mean (SD)	29·34 (6·0)	29.63(6.4)	29.28 (6.2)				
Presence of enthesitis	254 (62·9)	505 (62·2)	375 (63.5)				
Presence of dactylitis	149 (36·9)	300 (36.9)	200 (33·8)				
Adjusted TJC score	19·13 (13·6)	21.45 (16.9)	21.38 (16.3)				
Adjusted SJC score	9.82(7.6)	11.45(10.0)	11.01 (9.57)				
Baseline CRP (mg/L)							
≤5	210 (52·0)	450 (55·4)	315 (53·3)				
>5	194 (48.0)	362 (44.6)	276 (46·7)				
Baseline BSA (%)							
<3	157 (38.9)	342 (42·1)	251 (42·5)				
≥3-<10	69 (17·1)	147 (18·1)	123 (20·8)				
≥10	89 (22.0)	232 (28·6)	132 (22·3)				
Patients with PsO≥3% of BSA	159 (39·4)	381 (46.9)	257 (43·5)				
Patients with nail PsO	254 (62·9)	535 (65.9)	394 (66·7)				

Values are n (%) unless otherwise specified

BMI, body mass index; BSA, body surface area; CRP, C-reactive protein; N, number of randomized patients; n, number of evaluable patients; PsA, psoriatic arthritis; PsO, psoriasis; SD, standard deviation; SJC, swollen joint count; SD, standard deviation; TJC, tender joint count

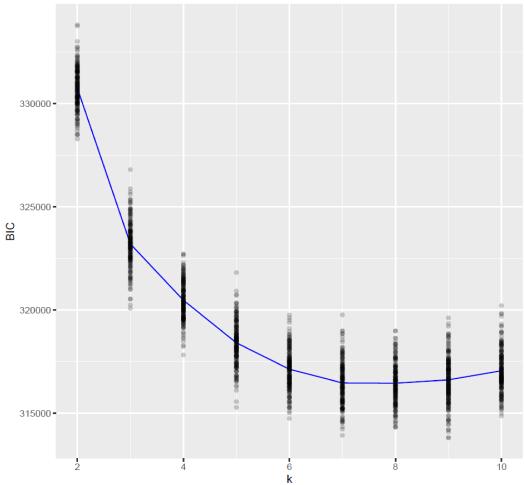
Supplementary Table 2. Endpoints with statistically significant differential response in clusters at different time points

Cluster	Endpoint	Visit Week	Relative	Relative	Relative		
			Delta	Lower	Upper		
2. H-TEN	LEISCO	16	-0.428	-0.792	-0.065		
(251)							
2. H-TEN	LEISCO	32	-0.337	-0.649	-0.035		
(251)							
4. L-Nails-	DACTCNT	3	-0.538	-0.995	-0.024		
Skin (209)							
4. L-Nails-	LEISCO	24	-0.314	-0.587	-0.033		
Skin (209)							
4. L-Nails-	PASI_PSTSCO	2	-0.192	-0.364	-0.004		
Skin (209)							
4. L-Nails-	PASI PSTSCO	3	-0.304	-0.521	-0.062		
Skin (209)	_						
4. L-Nails-	PASI PSTSCO	4	-0.245	-0.431	-0.034		
Skin (209)							
4. L-Nails-	PASI PSTSCO	8	-0.271	-0.439	-0.06		
Skin (209)	_						
4. L-Nails-	PASI PSTSCO	12	-0.231	-0.383	-0.058		
Skin (209)	_						
4. L-Nails-	PASI_PSTSCO	16	-0.225	-0.381	-0.069		
Skin (209)							
4. L-Nails-	PASI PSTSCO	24	-0.174	-0.328	-0.028		
Skin (209)	_						
4. L-Nails-	PASI PSTSCO	40	-0.138	-0.279	-0.005		
Skin (209)	_						
4. L-Nails-	PASI PSTSCO	52	-0.145	-0.282	-0.021		
Skin (209)	_						
5. L-Skin	SWJT76	3	-0.213	-0.405	-0.021		
(283)							
6. L-Nails	PASI_PSTSCO	12	-0.327	-0.579	-0.061		
(294)	_						
6. L-Nails	PASI PSTSCO	16	-0.352	-0.63	-0.076		
(294)	_						
This table shows which and points domonstrated a statistically significant differential response							

This table shows which endpoints demonstrated a statistically significant differential response (and in which clusters and at which time points). The relative delta column shows the difference between relative mean of 300 mg and relative mean of 150 mg. The following two columns "relative lower" and "relative upper" show the lower and upper limits of the corresponding 95% bootstrap confidence intervals, which have been Bonferroni adjusted to correct for multiple comparisons (i.e. by dividing the significance level alpha=0.05 by the number of comparisons, which is 42 = (# of clusters) * (# of endpoints)).

Supplementary Figure S1. Number of clusters determined with BIC





The BIC is a method for model selection among a finite set of models; the model with the lowest BIC is preferred. In the figure above, the BIC is plotted as a function of number of clusters. The minimum is achieved at K=7 and hence that was considered the optimal choice for the number of clusters

BIC, Bayesian Information Criteria