



Key Takeaways

- In analyses of data pooled across the double-blind GALAXI 2 & 3 trials, guselkumab was efficacious versus placebo in the overall population and BIO-naïve and BIO-IR subpopulations for the Week 12 endpoints and the long-term Week 12/48 co-primary endpoints
- Clinical remission at Week 12
- Endoscopic response at Week 12
- Clinical response at Week 12 AND clinical remission at Week 48 (patient-level)
- Clinical response at Week 12 AND endoscopic response at Week 48 (patient-level)

- Treatment effects compared to placebo were similar between BIO-naïve and BIO-IR subpopulations, indicating efficacy in BIO-naïve participants and the more refractory BIO-IR group

Efficacy of Guselkumab versus Placebo in Crohn's Disease Based On Prior Response/Exposure to Biologic Therapy: Results of the GALAXI 2 & 3 Phase 3 Studies

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Background

Guselkumab is a dual-acting IL-23p19 subunit inhibitor that potently blocks IL-23 and binds to CD64, a receptor on cells that produce IL-23¹

GALAXI 2 & 3 independently established² the short- and long-term efficacy of IV induction and SC maintenance therapy with guselkumab compared with placebo with favorable benefit/risk profile in moderately to severely active Crohn's disease

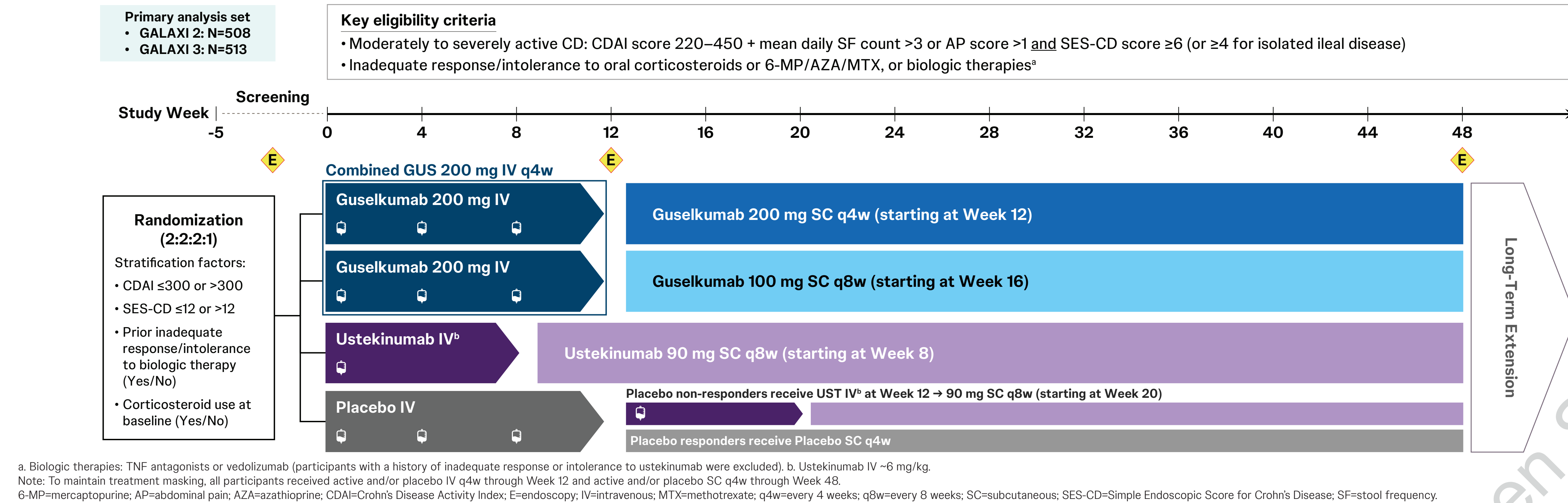
Guselkumab 200 mg IV induction followed by 100 mg q8w or 200 mg q4w SC maintenance demonstrated statistical superiority to ustekinumab at Week 48 in prespecified, multiplicity-controlled analyses of pooled data from GALAXI 2 & 3

Objective

To compare efficacy outcomes with guselkumab versus placebo in the BIO-naïve and BIO-IR (inadequate response/intolerance) subpopulations using the pooled GALAXI 2 & 3 dataset

Methods

Identically Designed, Double-Blind, Treat-Through Phase 3 Studies With Active Comparator



Endpoints and Statistical Considerations

- Co-primary endpoints (each guselkumab regimen vs placebo)**
- Clinical response at Week 12 AND clinical remission at Week 48 (patient-level)
 - Clinical response at Week 12 AND endoscopic response at Week 48 (patient-level)
- Major secondary endpoints (combined guselkumab 200 mg IV vs placebo)**
- Clinical remission at Week 12
 - Endoscopic response at Week 12
- Subpopulation Analyses**
- BIO-IR: participants with a history of inadequate response or intolerance to biologic therapy
 - BIO-naïve: participants without a history of exposure to biologic therapy
- Statistical Considerations**
- Subpopulation analyses in the individual trials and the pooled Week 12 comparisons were prespecified but not multiplicity controlled
 - Analyses of the co-primary endpoints in the pooled GALAXI 2 & 3 dataset were performed post hoc
 - Participants with treatment failure or missing data were considered to not have met the endpoint
 - All p-values are nominal

Results

Baseline CD Medication History

	Guselkumab			
	Placebo N=148	200 mg IV q4w → 100 mg SC q8w N=286	200 mg IV q4w → 200 mg SC q4w N=296	Combined 200 mg IV q4w N=582
Biologic naïve (BIO-naïve), n (%)	61 (41.2%)	116 (40.6%)	128 (43.2%)	244 (41.9%)
History of inadequate response/intolerance to biologic therapy (BIO-IR), n (%)	78 (52.7%)	153 (53.5%)	147 (49.7%)	300 (51.5%)
At least one anti-TNF	76 (97.4%)	149 (97.4%)	143 (97.3%)	292 (97.3%)
Two or more anti-TNFs	23 (29.5%)	31 (20.3%)	31 (21.1%)	62 (20.7%)
Vedolizumab	13 (16.7%)	25 (16.3%)	18 (12.2%)	43 (14.3%)

Note: Participants with a history of inadequate response or intolerance to ustekinumab were excluded.

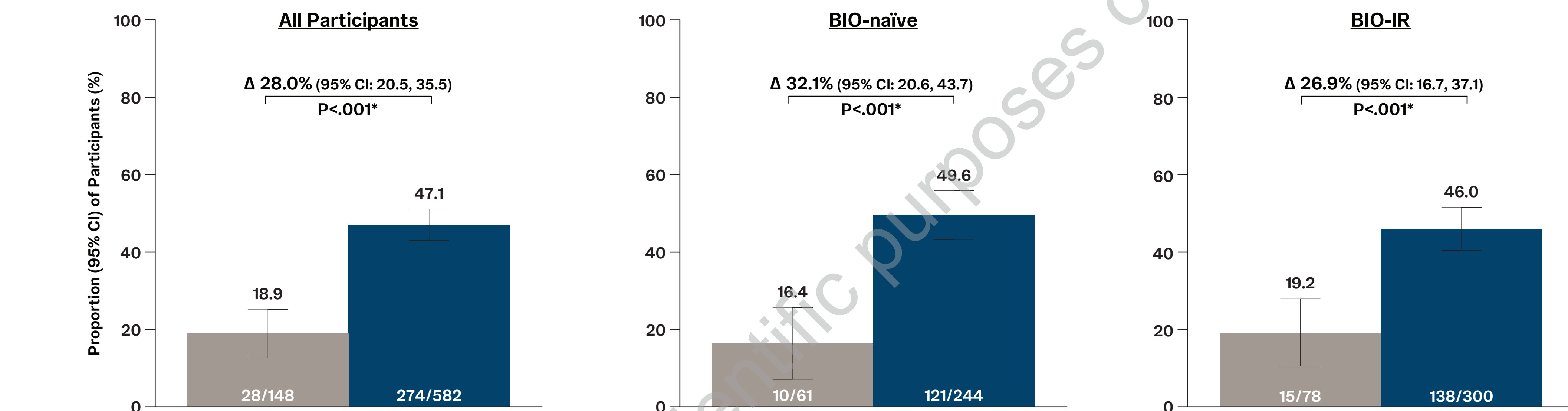
Baseline Characteristics

	BIO-naïve N = 426*	BIO-IR N = 534*
Age (years), mean (SD)	36.3 (13.16)	36.9 (12.79)
Female sex	44.6%	41.8%
Crohn's disease duration (years), mean (SD)	5.04 (6.058)	8.54 (7.585)
CDAI score, mean (SD)	292.9 (51.73)	294.9 (52.95)
SES-CD score, mean (SD)	11.9 (6.72)	13.7 (7.54)
Endoscopic disease severity (SES-CD score), n (%)		
Moderate (7–16)	231 (54.2%)	284 (53.2%)
Severe (≥16)	98 (23.0%)	162 (30.3%)
Involved GI areas by central reader, n (%)		
Ileum only	108 (25.4%)	104 (19.5%)
Colon only	169 (39.7%)	213 (39.9%)
Ileum and Colon	149 (35.0%)	217 (40.6%)
CRP (mg/L), median (IQR)	4.8 (1.7; 13.0)	8.4 (3.1; 24.7)
>3 mg/L, n (%)	272 (63.8%)	402 (75.3%)
Fecal calprotectin (µg/g), median (IQR)	728.0 (244.0; 1612.0)	1225.0 (445.0; 2494.0)
>250 µg/g, n (%)	314 (74.6%)	445 (84.6%)
Concomitant CD medications at baseline, n (%)		
6-MP/AZA	127 (29.8%)	136 (25.5%)
MTX	1 (0.2%)	15 (2.8%)
Oral corticosteroids	192 (45.1%)	158 (29.6%)

a. Includes all participants (including those randomized to ustekinumab) in the BIO-naïve or BIO-IR subpopulation of the primary analysis set (pooled GALAXI 2 & 3).

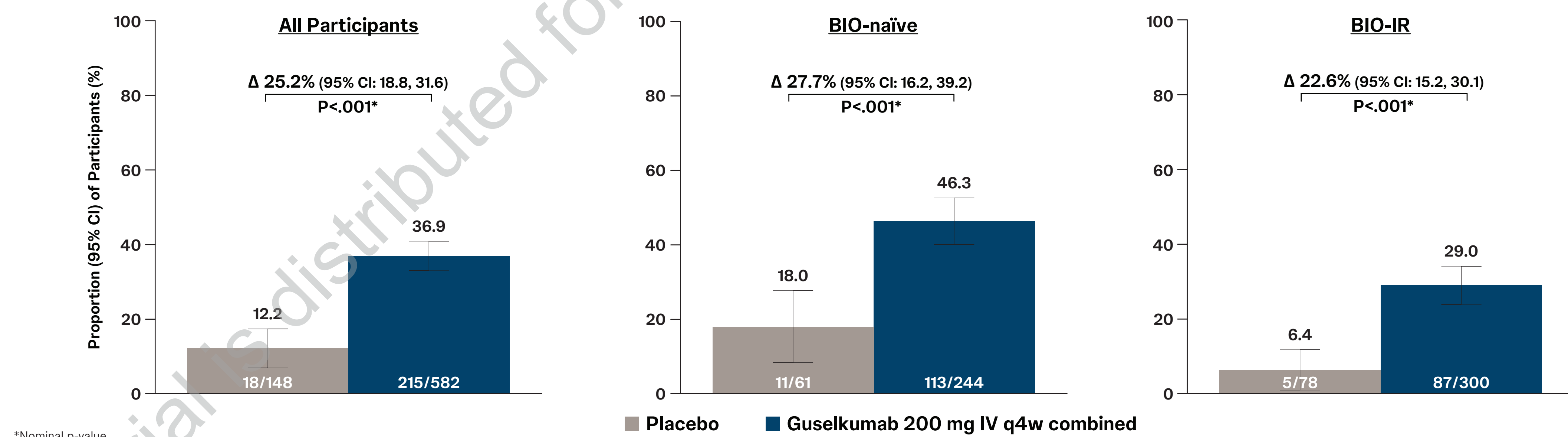
Clinical Remission at Week 12

Clinical remission: CDAI < 150



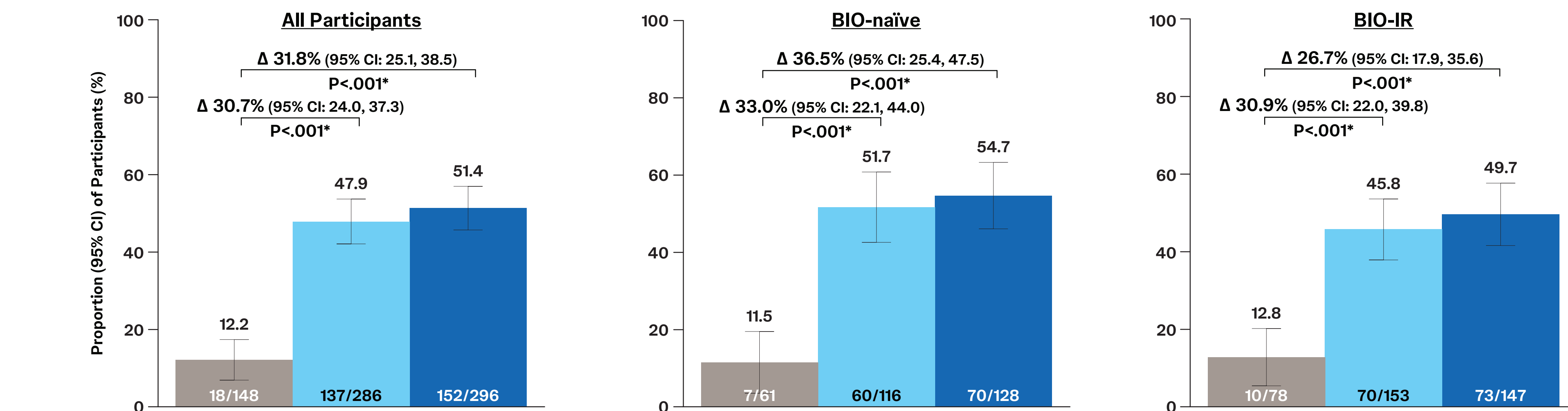
Endoscopic Response at Week 12

Endoscopic response: ≥50% improvement from baseline in SES-CD or SES-CD ≤ 2



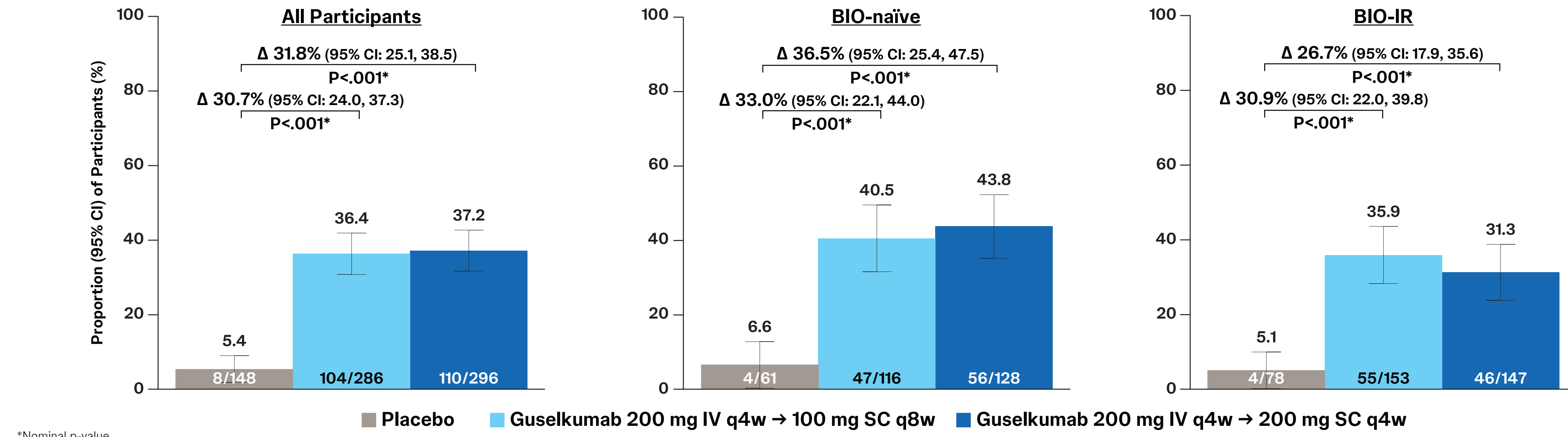
Clinical Response at Week 12 AND Clinical Remission at Week 48

Clinical response: ≥100-point reduction from baseline CDAI score or CDAI < 150; Clinical remission: CDAI score < 150



Clinical Response at Week 12 AND Endoscopic Response at Week 48

Clinical response: ≥100-point reduction from baseline in CDAI or CDAI < 150; Endoscopic response: ≥50% improvement from baseline in SES-CD or SES-CD ≤ 2



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