#### Supplement Table 1: Mean Change in Crohn's Disease Activity Index (Per-Protocol Population)

	Placebo			QBECO				
		N	M	lean Δ (SE)		N	I	Mean Δ (SE)
Week 8		31		-34 (14.6)		27		-84 (17.2)
Week 8		Placebo desponders (N=9)	Non	Placebo n-Responders (N=22)		QBECO Responders (N=13)	No	QBECO on-Responders (N=14)
Mean Δ (SE)	Plac	140 (14.1) cebo-Placebo (Blinded)		ebo-QBECO ppen-Label)		-162 (16.1) ECO-QBECO (Blinded)	-	-12 (9.5) ECO-QBECO Open-Label)
	N	Mean Δ (SE)	N	Mean Δ (SE)	N	Mean (SD)	N	Mean Δ (SE)
Week 16	9	-124 (21.6)	19	-100 (20.7)	13	-183 (23.3)	10	-70 (29.3)

Subjects randomized to either Placebo or QBECO treatment were evaluated at Week 8 (primary endpoint) for response to treatment using the Crohn's Disease Activity Index (CDAI). Response was defined as a decrease in CDAI  $\geq$  70 points. Those who responded to either blinded treatment, continued on blinded treatment to Week 16; non-responders were switched to openlabel QBECO to Week 16. Statistics were not performed at Week 16 due to unequal distribution of subjects and small numbers in specific groups (such as those who stayed on Placebo through to Week 16; n<10). The data in this table is depicted in Figure 3 of the manuscript.

## Supplement Table 2: Mean baseline serum levels of Eotaxin-1, IL-10 and IL-12p40 stratified by previous TNF $\alpha$ inhibitor exposure

	Previous anti-TNFα therapy	N*	Mean ± SD	Mean Difference ± SD	95% Confidence Interval of the Difference	
Eotaxin-1	No	39	$84 \pm 43$	-17 ± 12	(-41, 7)	
Lottaxiii 1	Yes	26	$100 \pm 54$	17 = 12		
IL-10	No	28	$6 \pm 14$	-5 ± 5	(14.4)	
1L-10	Yes	17	$11 \pm 17$	-3 ± 3	(-14, 4)	
II 12n40	No	36	$19 \pm 67$	$-52 \pm 36$	(-123, 20)	
IL-12p40	Yes	24	$70 \pm 198$	-3∠ ± 30		

<sup>\*20</sup> reads from the IL-10 assay and 5 reads from the IL-12p40 were out of range of the assay or unreliable

Supplement Table 3: Proportion of subjects with C-reactive protein (CRP) levels of less than 5 mg/L at study weeks 12, 16, 20, and 24\*

	QBECO- QBECO		Placebo- QBECO		Placebo- Placebo	
	Total	CRP<5	Total	CRP<5	Total	CRP<5
Week	N	N (%)	N	N (%)	N	N (%)
12	17	4 (23.5%)	19	4 (21.1%)	8	0 (0.0%)
16	18	7 (38.9%)	19	5 (26.3%)	8	0 (0.0%)
20	18	6 (33.3%)	19	5 (26.3%)	7	0 (0.0%)
24	18	8 (44.4%)	19	8 (42.1%)	8	0 (0.0%)

\*QBECO-QBECO refers to subjects who were randomized to QBECO and stayed on treatment to Week 16. **Placebo-QBECO** refers to subjects randomized to Placebo who switched to QBECO at Week 8 (through to Week 16). **Placebo-Placebo** refers to subjects randomized to Placebo who stayed on Placebo through to Week 16.

**Note:** Study treatment went to Week 16, subsequent weeks (i.e. weeks 20 and 24) were observational and subjects were off of all study treatments.

Supplement Table 4: Proportion of subjects with fecal calprotectin (FCP) levels below 100, 150 and 250 ug/g at study weeks 12, 16, 20, and 24\*

	QBECO-QBECO				
	Total	FCP<100	FCP<150	FCP<250	
Week	N	N (%)	N (%)	N (%)	
12	21	4 (19.0%)	4 (19.0%)	7 (33.3%)	
16	22	5 (22.7%)	6 (27.3%)	8 (36.4%)	
20	18	3 (16.7%)	4 (22.2%)	5 (27.8%)	
24	23	5 (21.7%)	6 (26.1%)	8 (34.8%)	
		Placeb	o-QBECO		
12	14	3 (21.4%)	3 (21.4%)	3 (21.4%)	
16	16	2 (12.5%)	2 (12.5%)	5 (31.2%)	
20	17	3 (17.6%)	3 (17.6%)	5 (29.4%)	
24	17	2 (11.8%)	2 (11.8%)	3 (17.6%)	
	Placebo-Placebo				
12	8	0 (0.0%)	0 (0.0%)	1 (12.5%)	
16	7	1 (14.3%)	1 (14.3%)	1 (14.3%)	
20	6	0 (0.0%)	0 (0.0%)	0 (0.0%)	
24	8	0 (0.0%)	0 (0.0%)	0 (0.0%)	

<sup>\*</sup>QBECO-QBECO refers to subjects who were randomized to QBECO and stayed on treatment to Week 16. **Placebo-QBECO** refers to subjects randomized to Placebo who switched to QBECO at Week 8 (through to Week 16). **Placebo-Placebo** refers to subjects randomized to Placebo who stayed on Placebo through to Week 16.

**Note:** Study treatment went to Week 16, subsequent weeks (i.e. weeks 20 and 24) were observational and subjects were off of all study treatments.

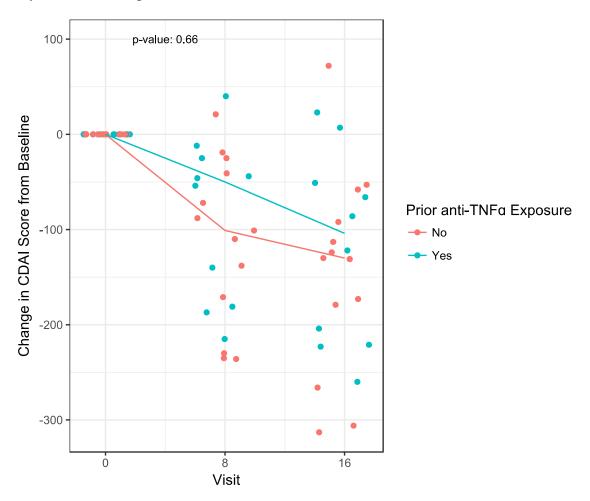
# Supplement Table 5: Inflammatory Bowel Disease (IBD)-associated single nucleotide polymorphisms (SNPs) used for the construction of the gene risk score for QBECO response

	Risk	
rsID	Allele	OR
rs10065637	G	0.48
rs1016883	G	1.33
rs1042058	G	2.68
rs10521318	G	0.71
rs10758669	C	0.62
rs1077773	G	0.66
rs10781499	G	2.26
rs10865331	G	1.37
rs10896794	G	0.92
rs11054935	G	0.95
rs11083840	C	1.20
rs11150589	G	1.16
rs11168249	G	0.63
rs11209026	G	3.64
rs11583043	G	0.81
rs11672983	G	2.99
rs11739663	G	3.19
rs11742570	G	1.21
rs1182188	G	1.63
rs1260326	G	1.27
rs12778642	C	0.58
rs13204048	G	3.84
rs13277237	G	0.86
rs1517352	С	0.82
rs1569723	С	0.69
rs1654644	С	0.48
rs17085007	G	0.24
rs17119	G	1.60
rs17229285	G	0.56
rs1728918	G	0.61
rs1734907	G	3.56
rs17391694	G	12.00
rs1748195	G	1.06
rs17780256	С	0.76

rs1801274 G 2.94   rs1847472 C 0.93   rs1893217 G 0.90   rs194749 G 2.31   rs2024092 G 0.38   rs2111485 G 0.77   rs212388 G 3.19   rs2155219 C 1.79   rs2188962 G 1.15   rs2189234 C 1.59   rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs3024505 G 1.20   rs35320439 G 1.43   rs3766606 C 0.96   rs449971 <td< th=""><th></th><th></th><th></th></td<>			
rs1893217 G 0.90   rs194749 G 2.31   rs2024092 G 0.38   rs2111485 G 0.77   rs212388 G 3.19   rs2155219 C 1.79   rs2188962 G 1.15   rs2189234 C 1.59   rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs409764 C 0.89   rs4692386 G<	rs1801274	G	2.94
rs194749 G 2.31   rs2024092 G 0.38   rs2111485 G 0.77   rs212388 G 3.19   rs2155219 C 1.79   rs2188962 G 1.15   rs2189234 C 1.59   rs2189234 C 1.59   rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs35320439 G 1.43   rs3742130 G 3.00   rs3766606 C 0.96   rs38904 G 1.15   rs4243971 C 2.28   rs4409764 <t< td=""><td>rs1847472</td><td>С</td><td>0.93</td></t<>	rs1847472	С	0.93
rs2024092 G 0.38   rs2111485 G 0.77   rs212388 G 3.19   rs2155219 C 1.79   rs2188962 G 1.15   rs2189234 C 1.59   rs2189234 C 1.59   rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3766406 C 0.96   rs38904 G 1.15   rs4409764 C 0.89   rs4409764 <td< td=""><td>rs1893217</td><td>G</td><td>0.90</td></td<>	rs1893217	G	0.90
rs2111485 G 0.77   rs212388 G 3.19   rs2155219 C 1.79   rs2188962 G 1.15   rs2189234 C 1.59   rs22827551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3764147 G 1.85   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4836519 <	rs194749	G	2.31
rs212388 G 3.19   rs2155219 C 1.79   rs2188962 G 1.15   rs2189234 C 1.59   rs22189234 C 1.59   rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs4995157 G 0.76   rs4409764 C 0.89   rs4692386 <t< td=""><td>rs2024092</td><td>G</td><td>0.38</td></t<>	rs2024092	G	0.38
rs2155219 C 1.79   rs2188962 G 1.15   rs2189234 C 1.59   rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3764147 G 1.85   rs38904 G 1.15   rs38904 G 1.15   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4802307 C 2.49   rs4836519	rs2111485	G	0.77
rs2188962 G 1.15   rs2189234 C 1.59   rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs35320439 G 1.43   rs3742130 G 3.00   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4728142 G 1.63   rs477515 G 0.94   rs4836519 G 2.37   rs4976646	rs212388	G	3.19
rs2189234 C 1.59   rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2155219	C	1.79
rs2227551 C 0.95   rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4692386 G 0.79   rs4728142 G 1.63   rs4802307 C 2.49   rs4836519 G 2.37   rs4976646 G 0.68	rs2188962	G	1.15
rs2231884 G 1.14   rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs35320439 G 1.43   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs4243971 C 2.28   rs4692386 G 0.79   rs4692386 G 0.79   rs4728142 G 1.63   rs4802307 C 2.49   rs4836519 G 2.37   rs4976646 G 0.68	rs2189234	C	1.59
rs2413583 G 5.67   rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2227551	C	0.95
rs2472649 G 1.87   rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3742130 G 3.00   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4728142 G 1.63   rs477515 G 0.94   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2231884	G	1.14
rs2641348 G 0.44   rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs4876646 G 0.68	rs2413583	G	5.67
rs2651244 G 0.59   rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2472649	G	1.87
rs26528 G 1.99   rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2641348	G	0.44
rs2816958 G 0.43   rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2651244	G	0.59
rs2823286 G 0.79   rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs26528	G	1.99
rs2836878 G 0.56   rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2816958	G	0.43
rs2930047 G 1.08   rs3024505 G 1.20   rs35320439 G 1.43   rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2823286	G	0.79
rs3024505 G 1.20   rs35320439 G 1.43   rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2836878	G	0.56
rs35320439 G 1.43   rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs2930047	G	1.08
rs3742130 G 3.00   rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs3024505	G	1.20
rs3764147 G 1.85   rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs35320439	G	1.43
rs3766606 C 0.96   rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs4876646 G 0.68	rs3742130	G	3.00
rs38904 G 1.15   rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs3764147	G	1.85
rs395157 G 0.76   rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs3766606	С	0.96
rs4243971 C 2.28   rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs38904	G	1.15
rs4409764 C 0.89   rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs395157	G	0.76
rs4692386 G 0.79   rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs4243971	С	2.28
rs4728142 G 1.63   rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs4409764	С	0.89
rs477515 G 0.94   rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs4692386	G	0.79
rs4802307 C 2.49   rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs4728142	G	1.63
rs4836519 G 2.37   rs483905 G 1.58   rs4976646 G 0.68	rs477515	G	0.94
rs483905 G 1.58 rs4976646 G 0.68	rs4802307	С	2.49
rs4976646 G 0.68	rs4836519	G	2.37
	rs483905	G	1.58
rs516246 G 1.87	rs4976646	G	0.68
	rs516246	G	1.87
rs559928 G 2.68	rs559928	G	2.68

rs564349	G	1.44
rs566416	С	1.09
rs568617	G	1.14
rs6017342	С	0.82
rs6088765	С	0.38
rs616597	C	0.74
rs6426833	G	0.91
rs6651252	G	0.40
rs6667605	G	0.50
rs6863411	T	1.18
rs6920220	G	0.21
rs7097656	G	0.66
rs7134599	G	0.41
rs7210086	C	0.76
rs7236492	G	0.32
rs7240004	G	0.98
rs724016	G	1.25
rs7282490	G	0.70
rs7495132	G	1.33
rs7517810	G	19.83
rs7702331	G	1.48
rs7758080	G	0.95
rs864745	G	1.90
rs917997	G	0.38
rs921720	G	0.75
rs925255	G	1.49
rs9264942	G	1.23
rs9286879	G	0.05
rs9297145	C	0.67
rs9319943	G	0.71
rs941823	G	1.09
rs9491697	G	1.00
rs9847710	G	2.66
rs12199775	G	1.69
rs12654812	G	1.85
rs1292053	G	1.29
rs2227564	G	1.05
rs3197999	G	0.34
rs6074022	G	0.67

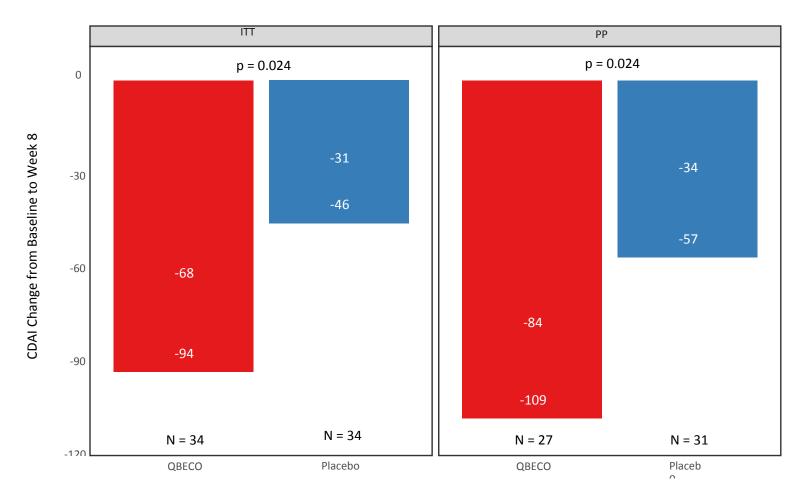
## Supplement Figure 1. Difference in Crohn's Disease Activity Index (CDAI) change over time by anti-TNFa Exposure



<sup>&</sup>lt;sup>1</sup> Lines connect medians

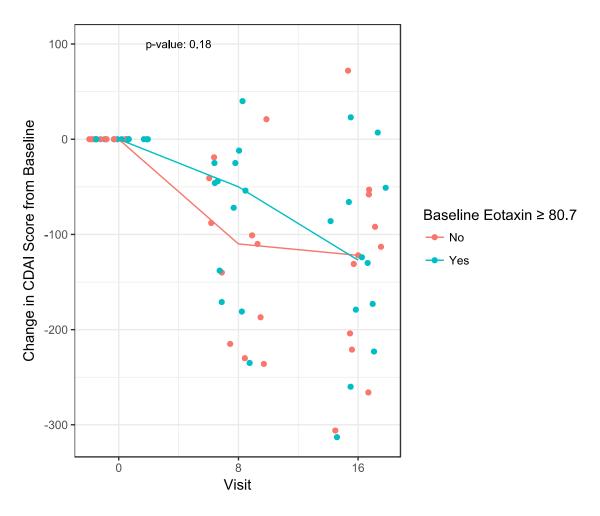
<sup>&</sup>lt;sup>2</sup> P-value is from a test of difference in trajectory beginning at Week 8 from a liner mixed-effect model of CDAI score over time.

Supplement Figure 2. Treatment outcomes adjusted for disease severity at baseline, use of concomitant immunosuppressive medication, disease duration and prior exposure to anti-TNF $\alpha$  agents



A regression analysis was performed to account for differences in baseline characteristics that may be important for treatment outcome (based on a reduction in the Crohn's Disease Activity Index; CDAI). The model indicated that the adjusted CDAI drop with QBECO treatment would be 94 points vs. 46 points for placebo in the intention to treat analysis (ITT). For the per protocol (PP) analysis, QBECO treatment would have a CDAI drop of 109 points vs 57 points for placebo.

### Supplement Figure 3. Difference in Crohn's Disease Activity Index (CDAI) change over time by above or below median baseline Eotaxin-1



<sup>&</sup>lt;sup>1</sup> Lines connect medians

<sup>&</sup>lt;sup>2</sup> P-value is from a test of difference in trajectory beginning at Week 8 from a liner mixed-effect model of CDAI score over time.