Table S33. Association of benralizumab genetic polymorphisms with response to the 3 criteria.

Gene	SNPs	Genotype	N	Response		χ^2	p-value	Ref Cat	OR	CI 95%
				R N (%)	NR N (%)					
IL1RL1	rs1420101	CC	18	9 (50)	9 (50)		0.624*			
		CT	27	12 (44.4)	15 (55.6)					
		TT	6	4 (66.7)	2 (33.3)					
		C	45	21 (46.7)	24 (53.3)		0.419*			
		T	33	16 (48.5)	17 (51.5)	0.0107	0.918			
	rs17026974	AA	4	3 (75)	1 (25)		0.694*			
		AG	18	8 (44.4)	10 (55.6)					
		GG	29	14 (48.3)	15 (51.7)					
		A	22	11 (50)	11 (50)	0.0149	0.903			
		G	47	22 (46.8)	25 (53.2)		0.35*			
	rs1921622	AA	11	5 (45.5)	6 (54.5)					
		AG	29	16 (55.2)	13 (44.8)	1.2003	0.549			
		GG	11	4 (36.4)	7 (63.6)					
		A	40	21 (52.5)	19 (47.5)		1*			
		G	40	20 (50)	20 (50)		1*			
IL5	rs4143832	GG	33	12 (36.4)	21 (63.6)		0.046*	GG	1	
		GT	13	9 (69.2)	4 (30.8)				3.94	1.05-17.21
		TT	5	4 (80)	1 (20)				7	0.91-145.61
		G	46	21 (45.7)	25 (54.3)		0.195*			
		T	18	13 (72.2)	5 (27.8)	5.993	0.014	GG	4.55	1.36-17.22
	rs17690122	AA	36	15 (41.7)	21 (58.3)		0.292*			
		AG	11	7 (63.6)	4 (36.4)					
		GG	4	3 (75)	1 (25)					
		A	47	22 (46.8)	25 (53.2)		0.35*			
		G	15	10 (66.7)	5 (33.3)	2.648	0.104			
GATA2	rs4857855	CC	37	17 (45.9)	20 (54.1)		0.307*			
		CT	12	7 (58.3)	5 (41.7)					
		TT	2	1 (50)	1 (50)					
		C	49	24 (49)	25 (51)		1*			
		T	14	8 (57.1)	6 (49.2)	0.5096	0.475			
IKZF2	rs12619285	AA	24	13 (54.2)	11 (45.8)		0.389*			
		AG	19	10 (52.6)	9 (47.4)					
		GG	8	2 (25)	6 (75)					
		A	43	23 (53.5)	20 (46.5)		0.249*			
		G	27	12 (44.4)	15 (55.6)	0.4506	0.488			
RAD50	rs11739623	CC	26	15 (57.7)	11 (42.3)		0.478*			
		CT	22	9 (40.9)	13 (59.1)					
		TT	3	1 (33.3)	2 (66.7)					
		C	48	24 (50)	24 (50)		1*			
		T	25	10 (40)	15 (60)	1.5964	0.206			
	rs4705959	CC	3	1 (33.3)	2 (66.7)		0.087			
		CT	19	6 (31.6)	13 (68.4)					
		TT	29	18 (62.1)	11 (37.9)					
		C	22	7 (31.8)	15 (68.2)	4.5809	0.032	C	3.51	1.12-11.85
		T	48	24 (50)	24 (50)		1*			
FCER1A	rs2251746	CC	5	3 (60)	2 (40)		0.772*			
		CT	17	9 (52.9)	8 (47.1)					
		TT	29	13 (44.8)	16 (55.2)					
		C	22	12 (54.5)	10 (45.5)	0.4727	0.492			
		T	46	22 (47.8)	24 (522)		0.668*			
	rs2427837	AA	4	3 (60)	2 (40)		0.766*			
		AG	15	8 (53.3)	7 (46.7)					
		GG	31	14 (45.2)	17 (54.8)					
		A	20	11 (55)	9 (45)	0.4709	0.493			
		G	46	22 (47.8)	24 (522)		0.668*			
FCER1B	rs1441586	CC	11	5 (45.5)	6 (54.5)					
		CT	30	15 (50)	15 (50)	0.0713	0.965			
		TT	10	5 (50)	5 (50)					
		C	41	20 (48.8)	21 (51.2)	0.0048	0.945			
		T	40	20 (50)	20 (50)	0.0713	0.789			

Gene	SNPs	Genotype	N	Response		χ^2	p-value	Ref Cat	OR	CI 95%
				R N (%)	NR N (%)					
FCER1B	rs573790	CC	21	9 (45)	11 (55)		0.245*			
		CT	27	13 (48.1)	14 (51.9)					
		TT	3	3 (100)	0 (0)					
		C	48	22 (45.8)	26 (54.2)		0.11*			
		T	30	16 (53.3)	14 (46.7)	0.543	0.461			
	rs569108	AA	46	24 (52.2)	22 (47.8)		0.35*			
		AG	5	1 (20)	4 (80)					
		GG	-	-	-					
		A	-	-	-					
		G	5	1 (20)	4 (80)		0.347*			
ZNF415	rs1054485	GG	16	8 (50)	8 (50)	0.0239	0.988			
		GT	23	11 (47.8)	12 (52.2)					
		TT	12	6 (50)	6 (50)					
		G	39	19 (48.7)	20 (51.3)	0.006	0.938			
		T	35	17 (48.6)	18 (51.4)	0.009	0.925			
FCGR2A	rs1801274	AA	13	7 (53.8)	6 (46.2)					
		AG	26	11 (42.3)	15 (57.7)	1.0064	0.605			
		GG	12	7 (58.3)	5 (41.7)					
		A	39	18 (46.2)	21 (53.8	0.5447	0.461			
		G	38	18 (47.4)	20 (52.6)	0.1626	0.687			
FCGR2B	rs3219018	CC	-	-	-					
		CG	20	12 (60)	8 (40)	1.5875	0.208			
		GG	31	13 (41.9)	18 (58.1)					
		C	20	12 (60)	8 (40)	1.5875	0.208			
		G	-	-	-					
	rs1050501	CC	-	-	-					
		CT	15	8 (53.3)	7 (46.7)	0.1582	0.691			
		TT	36	17 (47.2)	19 (52.8)					
		C	15	8 (53.3)	7 (46.7)	0.1582	0.691			
		T	-	-	-					
FCGR3A	rs10127939	AA	45	20 (44.4)	25 (55.6)		0.115*			
		AC	5	4 (80)	1 (20)					
		CC	1	1 (100)	0 (0)					
		A	50	24 (48)	26 (52)		0.49*			
		C	6	5 (83.3)	1 (16.7)		0.099*			
	rs396991	AA	12	7 (58.3)	5 (41.7)		0.209*			
		CA	34	14 (41.2)	20 (58.8)					
		CC	5	4 (80)	1 (20)					
		A	46	21 (45.7)	25 (54.3)		0.191*			
		C	39	18 (46.2)	21 (53.8)	0.545	0.461*			

Ref. Cat., reference category; R, responder; NR, non-responder; OR, odds ratio; CI 95%, 95% confidence Interval 95%; *p-value for Fisher exact test.