

Supplementary Table 1. Association of *RANKL* rs7984870 risk allele and SE copy numbers with younger age at RA onset in

		WCPR, CLEAR and BRASS RA cohorts					
Cohort	Genotype	SE= 0		SE= 1		SE= 2	
		Mean ± SD yrs (n)	<i>p</i>	Mean ± SD yrs (n)	<i>p</i>	Mean ± SD yrs (n)	<i>p</i>
WCPR	SE	54.7 ± 11.6 (49)		50.6 ± 11.2 (96)		50.6 ± 11.2 (96)	0.07
	CC	58.9 ± 13.4 (8)	0.64	44.2 ± 9.8 (16)	0.04	41.3 ± 18.6 (8)	0.32
	CG	53.3 ± 15.1 (22)		51.7 ± 11.7 (44)		50.7 ± 15.0 (20)	
	GG	54.5 ± 13.6 (19)		52.1 ± 11.9 (36)		50.0 ± 10.6 (18)	
	CC	58.9 ± 13.4 (8)	0.39	44.2 ± 9.8 (16)	0.01	41.3 ± 18.6 (8)	0.15
	CG+GG	53.8 ± 14.3 (41)		51.9 ± 11.7 (80)		50.4 ± 13.0 (38)	
RF+	SE	42.7 ± 16.1 (93)		39.3 ± 13.5 (141)		40.9 ± 13.1 (83)	0.22
	CC	44.9 ± 13.3 (12)	0.8	35.7 ± 13.2 (35)	0.14	37.5 ± 11.3 (17)	0.59
	CG	42.2 ± 16.6 (40)		39.5 ± 13.2 (57)		41.9 ± 12.1 (40)	
	GG	42.6 ± 16.7 (41)		41.7 ± 13.7 (49)		41.5 ± 15.7 (26)	
	CC	44.9 ± 13.3 (12)	0.55	35.7 ± 13.2 (35)	0.07	37.5 ± 11.3 (17)	0.32
	CG+GG	42.4 ± 16.7 (81)		40.5 ± 13.4 (106)		41.7 ± 13.5 (66)	
CLEAR	SE	49.0 ± 16.2 (113)		48.7 ± 13.5 (74)		45.4 ± 11.1 (18)	0.55
	CC	48.8 ± 10.2 (26)	0.69	41.5 ± 11.9 (19)	0.06	46.5 ± 4.3 (6)	0.67
	CG	48.3 ± 14.1 (55)		50.9 ± 13.1 (39)		44.0 ± 16.8 (12)	
	GG	51.5 ± 13.2 (26)		48.9 ± 13.9 (23)		51.2 ± 11.4 (3)	
	CC	48.8 ± 10.2 (26)	0.85	41.5 ± 11.9 (19)	0.03	46.5 ± 4.3 (6)	0.93
	CG+GG	49.2 ± 13.4 (81)		50.1 ± 13.3 (62)		45.5 ± 15.7 (15)	
ACPA+	SE	43.9 ± 15.8 (94)		39.1 ± 13.3 (154)		39.9 ± 14.0 (96)	0.04
	CC	43.1 ± 11.9 (16)	0.79	35.6 ± 13.0 (35)	0.13	36.9 ± 12.8 (20)	0.67
	CG	43.2 ± 16.1 (37)		39.1 ± 12.8 (65)		40.6 ± 13.6 (47)	
	GG	44.9 ± 17.1 (41)		41.5 ± 13.6 (54)		40.8 ± 15.4 (29)	
	CC	43.1 ± 11.9 (16)	0.81	35.6 ± 13.0 (35)	0.06	36.9 ± 12.8 (20)	0.38
	CG+GG	44.1 ± 16.6 (78)		40.2 ± 13.3 (119)		40.1 ± 14.2 (76)	
CLEAR	SE	48.3 ± 13.6 (81)		48.6 ± 12.4 (67)		47.1 ± 13.2 (18)	0.91
	CC	48.3 ± 10.3 (18)	0.11	41.1 ± 11.3 (17)	0.52	46.7 ± 7.4 (5)	0.75
	CG	46.0 ± 13.4 (43)		50.5 ± 12.0 (32)		45.1 ± 17.2 (11)	

GG	53.3± 12.8 (20)		47.4± 13.6 (21)		51.2± 11.4 (3)	
CC	48.3± 10.3 (18)	0.82	46.1± 11.3 (17)	0.4	49.7± 7.4 (5)	0.87
CG+GG	48.3± 13.4 (63)		49.3± 12.6 (53)		46.4± 15.9 (14)	
