

Supplemental table 2. 13 SNPs used for the analysis of FCGR3A locus

Chr	SNP_Ichip	dbSNP_ID	map_hg18	map_hg19	Alleles
1	1kg_1_159757967	rs114414096	159757967	161491343	A>G
1	1kg_1_159759291	rs9427402	159759291	161492667	C>G
1	1kg_1_159764975	rs10919287	159764975	161498351	G>C
1	1kg_1_159766754	rs2099684	159766754	161500130	A>G
1	1kg_1_159767599	rs6700241	159767599	161500975	T>C
1	1kg_1_159768069	rs12120973	159768069	161501445	T>A
1	1kg_1_159768251	rs71632955	159768251	161501627	A>C
1	1kg_1_159768511	rs12133719	159768511	161501887	C>G
1	1kg_1_159768603	rs35852976	159768603	161501979	T>C
1	1kg_1_159769473	rs79568124	159769473	161502849	A>G
1	1kg_1_159775387	rs10919544	159775387	161508763	T>C
1	1kg_1_159781950	rs55971447	159781950	161515326	T>C
1	1kg_1_159802755	rs332398	159802755	161536131	T>C

Supplemental table 3. 11 SNPs used for the analysis of FCGR3B locus

Chr	SNP_Ichip	dbSNP_ID	map_hg18	map_hg19	Alleles
1	1kg_1_159838977	rs67775399	159838977	161572353	A>G
1	1kg_1_159841172	rs2305972	159841172	161574548	A>G
1	1kg_1_159858166	rs61802998	159858166	161591542	A>G
1	1kg_1_159863328	rs2290832	159863328	161596704	T>A
1	1kg_1_159863830	rs72702132	159863830	161597206	T>A
1	1kg_1_159864902	rs34612244	159864902	161598278	G>C
1	1kg_1_159867456	rs3883934	159867456	161600832	A>C
1	1kg_1_159867619	rs34085961	159867619	161600995	A>G
1	1kg_1_159867994	rs35089383	159867994	161601370	G>C
1	1kg_1_159874015	rs1629019	159874015	161607391	A>G
1	1kg_1_159884140	rs17411858	159884140	161617516	T>C

Supplemental table 4. Segregation of *FCGR3A* and *FCGR3B* CNV in families

Sample_ID	parent1_child0	FCGR3A_block	FCGR3B_block	mend error/recombination?
gonl-100a	1	2	2	
gonl-100b	1	2	2	
gonl-100c	0	2	2	
gonl-101a	1	2	2	
gonl-101b	1	2	2	
gonl-101c	0	2	2	
gonl-102a	1	2	2	
gonl-102b	1	3	1	
gonl-102c	0	3	1	
gonl-103a	1	2	2	
gonl-103b	1	2	2	
gonl-103c	0	2	2	
gonl-104a	1	2	2	
gonl-104b	1	2	2	
gonl-104c	0	2	2	
gonl-105a	1	2	2	
gonl-105b	1	2	2	
gonl-105c	0	2	2	
gonl-106a	1	2	2	
gonl-106b	1	3	2	
gonl-106c	0	3	2	
gonl-107a	1	2	2	
gonl-107b	1	2	1	
gonl-107c	0	2	1	
gonl-108a	1	2	2	
gonl-108b	1	2	2	
gonl-108c	0	2	2	
gonl-109a	1	2	2	
gonl-109b	1	3	2	
gonl-109c	0	3	2	
gonl-10a	1	2	1	
gonl-10b	1	2	2	
gonl-10c	0	2	1	
gonl-110a	1	2	2	
gonl-110b	1	2	2	
gonl-110c	0	2	2	
gonl-111a	1	2	2	
gonl-111b	1	2	2	
gonl-111c	0	2	2	
gonl-112a	1	2	2	
gonl-112b	1	2	2	
gonl-112c	0	2	2	
gonl-113a	1	2	2	

gonl-113b	1	2	2
gonl-113c	0	2	2
gonl-114a	1	2	2
gonl-114b	1	2	3
gonl-114c	0	2	3
gonl-115a	1	2	3
gonl-115b	1	2	2
gonl-115c	0	2	3
gonl-116a	1	2	1
gonl-116b	1	2	2
gonl-116c	0	2	1
gonl-117a	1	2	2
gonl-117b	1	2	2
gonl-117c	0	2	2
gonl-118a	1	2	2
gonl-118b	1	2	2
gonl-118c	0	2	2
gonl-119a	1	2	2
gonl-119b	1	2	2
gonl-119c	0	2	2
gonl-11a	1	2	2
gonl-11c	0	2	2
gonl-120a	1	2	3
gonl-120b	1	2	1
gonl-120c	0	2	2
gonl-121a	1	2	2
gonl-121b	1	2	2
gonl-121c	0	2	2
gonl-122a	1	2	2
gonl-122b	1	2	0
gonl-122c	0	2	1
gonl-123a	1	2	2
gonl-123b	1	2	2
gonl-123c	0	2	2
gonl-124a	1	2	2
gonl-124b	1	2	2
gonl-124c	0	2	2
gonl-125a	1	2	2
gonl-125b	1	2	3
gonl-125c	0	2	3
gonl-126a	1	2	1
gonl-126b	1	2	2
gonl-126c	0	2	1
gonl-127a	1	2	2
gonl-127b	1	3	2
gonl-127c	0	3	2

gonl-128a	1	2	2
gonl-128b	1	2	2
gonl-128c	0	2	2
gonl-129a	1	2	2
gonl-129b	1	2	2
gonl-129c	0	2	2
gonl-129d	0	2	2
gonl-12a	1	2	2
gonl-12b	1	3	2
gonl-12c	0	2	2
gonl-130a	1	3	2
gonl-130b	1	2	2
gonl-130c	0	3	2
gonl-131a	1	2	3
gonl-131b	1	2	2
gonl-131c	0	2	2
gonl-132a	1	2	2
gonl-132b	1	2	2
gonl-132c	0	2	2
gonl-133a	1	2	2
gonl-133b	1	2	3
gonl-133c	0	2	2
gonl-134a	1	2	1
gonl-134b	1	2	2
gonl-134c	0	2	1
gonl-135a	1	2	2
gonl-135b	1	3	2
gonl-135c	0	3	2
gonl-136a	1	2	2
gonl-136b	1	2	2
gonl-136c	0	2	2
gonl-137a	1	2	2
gonl-137b	1	2	1
gonl-137c	0	2	1
gonl-138a	1	2	2
gonl-138b	1	2	2
gonl-138c	0	2	2
gonl-139a	1	2	3
gonl-139b	0	2	2
gonl-139c	0	2	3
gonl-13a	1	2	2
gonl-13b	1	2	2
gonl-13c	0	2	2
gonl-140a	1	2	2
gonl-140b	1	2	2
gonl-140c	0	2	2

gonl-141a	1	2	2
gonl-141b	1	3	2
gonl-141c	0	3	2
gonl-142a	1	2	2
gonl-142b	1	2	2
gonl-142c	0	2	2
gonl-143a	1	2	2
gonl-143b	1	2	1
gonl-143c	0	2	2
gonl-144a	1	2	2
gonl-144b	0	2	1
gonl-144c	0	2	3
gonl-145a	1	2	2
gonl-145b	1	2	1
gonl-145c	0	2	1
gonl-146a	1	2	2
gonl-146b	1	2	2
gonl-146c	0	2	2
gonl-147a	1	2	2
gonl-147b	1	2	2
gonl-147c	0	2	2
gonl-148a	1	2	2
gonl-148b	1	2	2
gonl-148c	0	2	2
gonl-149a	1	2	2
gonl-149b	1	2	2
gonl-149c	0	2	2
gonl-14a	1	2	2
gonl-14b	1	2	2
gonl-14c	0	2	2
gonl-150a	1	2	2
gonl-150b	1	3	3
gonl-150c	0	2	1 yes
gonl-151a	1	3	2
gonl-151b	1	3	2
gonl-151c	0	3	2
gonl-152a	1	2	2
gonl-152b	1	2	2
gonl-152c	0	2	2
gonl-153a	1	2	3
gonl-153b	1	2	1
gonl-153c	0	2	1
gonl-154a	1	2	2
gonl-154b	1	2	2
gonl-154c	0	2	3
gonl-155a	1	2	2

gonl-155b	1	2	2
gonl-155c	0	2	2
gonl-156a	1	2	2
gonl-156b	1	2	2
gonl-156c	0	2	2
gonl-157a	1	2	2
gonl-157b	1	2	2
gonl-157c	0	2	2
gonl-158a	1	2	2
gonl-158b	1	2	3
gonl-158c	0	2	3
gonl-159a	1	2	3
gonl-159b	1	2	2
gonl-159c	0	2	3
gonl-15a	1	2	2
gonl-15b	1	2	3
gonl-15c	0	2	2
gonl-160a	1	2	3
gonl-160b	1	2	2
gonl-160c	0	2	2
gonl-161a	1	2	3
gonl-161b	1	2	2
gonl-161c	0	2	3
gonl-162a	1	2	2
gonl-162b	1	2	2
gonl-162c	0	2	2
gonl-163a	1	2	2
gonl-163b	1	2	2
gonl-163c	0	2	2
gonl-164a	1	2	3
gonl-164b	1	2	1
gonl-164c	0	2	1
gonl-165a	1	2	2
gonl-165b	1	2	2
gonl-165c	0	2	2
gonl-166a	1	2	2
gonl-166b	1	2	2
gonl-166c	0	2	2
gonl-167a	1	3	3
gonl-167b	1	2	3
gonl-167c	0	3	3
gonl-168a	1	2	2
gonl-168b	1	2	2
gonl-168c	0	2	2
gonl-169a	1	2	2
gonl-169b	1	3	2

gonl-169c	0	3	2
gonl-16a	1	2	2
gonl-16b	1	2	2
gonl-16c	0	2	2
gonl-170a	1	2	2
gonl-170b	1	3	2
gonl-170c	0	3	2
gonl-171a	1	2	2
gonl-171b	1	2	2
gonl-171c	0	2	2
gonl-172a	1	2	2
gonl-172b	1	2	2
gonl-172c	0	2	2
gonl-173a	1	2	2
gonl-173b	1	2	2
gonl-173c	0	2	2
gonl-174a	1	2	2
gonl-174b	1	2	3
gonl-174c	0	2	3
gonl-175a	1	2	3
gonl-175b	1	2	2
gonl-175c	0	2	2
gonl-176a	1	2	2
gonl-176b	1	2	1
gonl-176c	0	2	1
gonl-177a	1	2	2
gonl-177b	1	2	2
gonl-177c	0	2	2
gonl-178a	1	2	2
gonl-178b	1	2	2
gonl-178c	0	2	2
gonl-179a	1	1	3
gonl-179b	1	2	2
gonl-179c	0	2	2
gonl-17a	1	2	1
gonl-17b	1	2	2
gonl-17c	0	2	1
gonl-180a	1	2	2
gonl-180b	1	2	2
gonl-180c	0	2	2
gonl-181a	1	2	2
gonl-181b	1	2	2
gonl-181c	0	2	2
gonl-182a	1	2	2
gonl-182b	1	2	2
gonl-182c	0	2	2

gonl-183a	1	2	2
gonl-183b	1	2	2
gonl-183c	0	2	2
gonl-184a	1	3	2
gonl-184b	1	3	2
gonl-184c	0	2	2
gonl-185a	1	2	1
gonl-185b	1	2	2
gonl-185c	0	2	1
gonl-186a	1	2	2
gonl-186b	1	2	2
gonl-186c	0	2	2
gonl-187a	1	2	2
gonl-187b	1	2	2
gonl-187c	0	2	2
gonl-188a	1	3	2
gonl-188b	1	2	2
gonl-188c	0	3	2
gonl-189a	1	3	2
gonl-189b	1	2	1
gonl-189c	0	2	2
gonl-18a	1	2	2
gonl-18b	1	2	2
gonl-18c	0	2	2
gonl-190a	1	2	2
gonl-190b	1	2	2
gonl-190c	0	2	2
gonl-191a	1	2	2
gonl-191b	1	2	1
gonl-191c	0	2	1
gonl-192a	1	2	1
gonl-192b	1	2	2
gonl-192c	0	2	1
gonl-193a	1	2	2
gonl-193b	1	2	2
gonl-193c	0	2	2
gonl-194a	1	2	2
gonl-194b	1	2	2
gonl-194c	0	2	2
gonl-195a	1	3	2
gonl-195b	1	2	2
gonl-195c	0	3	2
gonl-196a	1	2	2
gonl-196b	1	2	2
gonl-196c	0	2	2
gonl-197a	1	2	2

gonl-197b	1	2	3
gonl-197c	0	2	2
gonl-198a	1	2	2
gonl-198b	1	2	2
gonl-198c	0	2	2
gonl-199a	1	2	2
gonl-199b	1	2	2
gonl-199c	0	2	2
gonl-19a	1	2	2
gonl-19b	1	2	2
gonl-19c	0	2	2
gonl-19d	0	2	2
gonl-1a	1	2	2
gonl-1b	1	2	2
gonl-1c	0	2	2
gonl-200a	1	2	2
gonl-200b	1	2	2
gonl-200c	0	2	2
gonl-201a	1	2	2
gonl-201b	1	2	2
gonl-201c	0	2	2
gonl-202a	1	2	2
gonl-202b	1	2	2
gonl-202c	0	2	2
gonl-204a	1	2	2
gonl-204b	1	2	2
gonl-204c	0	2	2
gonl-205a	1	2	2
gonl-205b	1	2	2
gonl-205c	0	2	2
gonl-206a	1	3	2
gonl-206b	1	2	2
gonl-206c	0	2	2
gonl-207a	1	2	2
gonl-207b	1	2	2
gonl-207c	0	2	2
gonl-208a	1	2	2
gonl-208b	1	2	2
gonl-208c	0	2	2
gonl-209a	1	2	2
gonl-209b	1	2	2
gonl-209c	0	2	2
gonl-20a	1	2	2
gonl-20b	1	2	3
gonl-20c	0	2	3
gonl-20d	0	2	3

gonl-210a	1	2	2
gonl-210b	1	2	2
gonl-210c	0	2	2
gonl-211a	1	2	2
gonl-211b	1	2	2
gonl-211c	0	2	2
gonl-212a	1	2	1
gonl-212b	1	2	3
gonl-212c	0	2	2
gonl-213a	1	2	2
gonl-213b	1	2	2
gonl-213c	0	2	2
gonl-214a	1	2	2
gonl-214b	1	2	2
gonl-214c	0	2	2
gonl-215a	1	2	2
gonl-215b	1	2	2
gonl-215c	0	2	2
gonl-216a	1	2	2
gonl-216b	1	2	2
gonl-216c	0	2	2
gonl-217a	1	2	2
gonl-217b	1	2	1
gonl-217c	0	2	1
gonl-218a	1	3	2
gonl-218b	1	2	2
gonl-218c	0	3	2
gonl-219a	1	2	2
gonl-219b	1	2	1
gonl-219c	0	2	2
gonl-219d	0	2	1
gonl-21a	0	2	2
gonl-21c	0	2	2
gonl-220a	1	2	2
gonl-220b	1	2	2
gonl-220c	0	2	2
gonl-221a	1	2	2
gonl-221b	1	2	2
gonl-221c	0	2	2
gonl-222a	1	2	2
gonl-222b	1	2	2
gonl-222c	0	2	2
gonl-223a	1	2	2
gonl-223b	1	2	2
gonl-223c	0	2	2
gonl-224a	1	2	2

gonl-224b	1	2	2
gonl-224c	0	2	2
gonl-225a	1	2	3
gonl-225b	1	2	2
gonl-225c	0	2	3
gonl-226a	1	2	2
gonl-226b	1	2	3
gonl-226c	0	2	2
gonl-227a	1	2	3
gonl-227b	1	2	2
gonl-227c	0	2	2
gonl-228a	1	2	2
gonl-228b	1	2	2
gonl-228c	0	2	2
gonl-229a	1	2	2
gonl-229b	1	2	2
gonl-229c	0	2	2
gonl-22a	1	2	1
gonl-22b	1	2	2
gonl-22c	0	2	2
gonl-230a	1	2	3
gonl-230b	1	2	2
gonl-230c	0	2	2
gonl-231a	1	2	2
gonl-231b	1	2	2
gonl-231c	0	2	2
gonl-232a	1	2	2
gonl-232b	1	2	3
gonl-232c	0	2	2
gonl-233a	1	2	3
gonl-233b	1	2	2
gonl-233c	0	2	3
gonl-234a	1	2	2
gonl-234b	1	2	2
gonl-234c	0	2	2
gonl-235a	1	2	2
gonl-235b	1	2	2
gonl-235c	0	2	2
gonl-236a	1	2	2
gonl-236b	1	2	2
gonl-236c	0	2	2
gonl-237a	1	2	2
gonl-237b	1	2	2
gonl-237c	0	2	2
gonl-238a	1	3	1
gonl-238b	1	3	2

gonl-238c	0	2	1
gonl-239a	1	2	2
gonl-239b	1	3	2
gonl-239c	0	2	2
gonl-239d	0	2	2
gonl-23a	1	2	2
gonl-23b	1	2	2
gonl-23c	0	2	2
gonl-240a	1	2	2
gonl-240b	1	2	2
gonl-240c	0	2	2
gonl-241a	1	2	3
gonl-241b	1	2	2
gonl-241c	0	2	2
gonl-242a	1	2	1
gonl-242b	1	2	2
gonl-242c	0	2	2
gonl-243a	1	2	2
gonl-243b	1	2	2
gonl-243c	0	2	2
gonl-244a	1	2	2
gonl-244b	1	2	2
gonl-244c	0	2	2
gonl-245a	1	3	2
gonl-245b	1	2	2
gonl-245c	0	3	2
gonl-246a	1	2	1
gonl-246b	1	2	2
gonl-246c	0	2	1
gonl-247a	0	2	2
gonl-247a	1	2	2
gonl-247b	1	2	2
gonl-247c	0	2	2
gonl-248a	1	2	2
gonl-248b	1	2	2
gonl-248c	0	2	2
gonl-248d	0	2	2
gonl-249a	1	2	2
gonl-249b	1	2	2
gonl-249c	0	2	2
gonl-24a	1	1	1
gonl-24b	1	2	2
gonl-24c	0	1	2
gonl-250a	1	2	2
gonl-250b	1	2	2
gonl-250c	0	2	2

gonl-251a	1	2	2
gonl-251b	1	2	2
gonl-251c	0	2	2
gonl-252b	1	2	3
gonl-253a	1	3	2
gonl-253b	1	2	2
gonl-253c	0	3	2
gonl-254b	1	2	2
gonl-254c	0	2	2
gonl-255a	1	2	2
gonl-255b	1	2	2
gonl-255c	0	2	2
gonl-256a	1	2	2
gonl-256b	1	2	2
gonl-256c	0	2	2
gonl-257a	1	2	2
gonl-257b	1	2	2
gonl-257c	0	2	2
gonl-25a	1	2	2
gonl-25b	1	3	2
gonl-25c	0	3	2
gonl-26a	1	2	2
gonl-26b	1	2	2
gonl-26c	0	2	2
gonl-27a	1	2	2
gonl-27b	1	2	2
gonl-27c	0	2	2
gonl-28a	1	1	2
gonl-28b	1	2	2
gonl-28c	0	2	2
gonl-29a	1	2	2
gonl-29b	1	2	2
gonl-29c	0	2	2
gonl-2a	1	2	2
gonl-2b	1	2	2
gonl-2c	0	2	2
gonl-30a	1	2	2
gonl-30b	1	2	2
gonl-30c	0	2	2
gonl-31a	1	2	2
gonl-31b	1	3	3
gonl-31c	0	3	2
gonl-32a	1	2	2
gonl-32b	1	2	2
gonl-32c	0	2	2
gonl-33a	1	2	2

gonl-33b	1	2	2
gonl-33c	0	2	2
gonl-34a	1	2	2
gonl-34b	1	2	2
gonl-34c	0	2	2
gonl-35a	1	2	2
gonl-35b	1	2	2
gonl-35c	0	2	2
gonl-36a	1	2	3
gonl-36b	1	2	2
gonl-36c	0	2	2
gonl-37a	1	2	3
gonl-37b	1	2	2
gonl-37c	0	2	2
gonl-38a	1	2	3
gonl-38b	1	2	2
gonl-38c	0	2	3
gonl-39a	1	3	2
gonl-39b	1	2	2
gonl-39c	0	2	2
gonl-3a	1	2	2
gonl-3b	1	2	2
gonl-3c	0	2 excluded	
gonl-40a	1	2	2
gonl-40b	1	1	2
gonl-40c	0	1	2
gonl-41a	1	2	2
gonl-41b	1	2	2
gonl-41c	0	2	2
gonl-41d	0	2	2
gonl-42a	1	2	2
gonl-42b	1	2	2
gonl-42c	0	2	2
gonl-43a	1	2	2
gonl-43b	1	2	2
gonl-43c	0	2	2
gonl-44a	1	2	2
gonl-44b	1	2	2
gonl-44c	0	2	2
gonl-45a	1	2	2
gonl-45b	1	3	3
gonl-45c	0	2	2
gonl-46a	1	3	1
gonl-46b	1	2	2
gonl-46c	0	3	1
gonl-47a	1	2	2

gonl-47b	1	2	2
gonl-47c	0	2	2
gonl-48a	1	2	2
gonl-48b	1	2	2
gonl-48c	0	2	2
gonl-49a	1	2	2
gonl-49b	1	2	2
gonl-49c	0	2	2
gonl-4a	1	2	1
gonl-4b	1	2	2
gonl-4c	0	2	1
gonl-50a	1	2	2
gonl-50b	1	3	2
gonl-50c	0	2	2
gonl-51a	1	2	2
gonl-51b	1	2	2
gonl-51c	0	2	2
gonl-51d	0	2	2
gonl-52a	1	2	2
gonl-52b	1	2	2
gonl-52c	0	2	2
gonl-53a	1	2	2
gonl-53b	1	2	2
gonl-53c	0	2	2
gonl-54a	1	2	3
gonl-54b	1	2	2
gonl-54c	0	2	2
gonl-55a	1	2	2
gonl-55b	1	2	2
gonl-55c	0	2	2
gonl-56a	1	2	2
gonl-56b	1	2	2
gonl-56c	0	2	3 yes
gonl-57a	1	2	2
gonl-57b	1	2	2
gonl-57c	0	2	2
gonl-58a	1	2	2
gonl-58b	1	2	2
gonl-58c	0	2	2
gonl-59a	1	2	3
gonl-59b	1	2	3
gonl-59c	0	2	2
gonl-5a	1	2	2
gonl-5b	1	2	3
gonl-5c	0	2	2
gonl-60a	1	2	2

gonl-60b	1	2	2
gonl-60c	0	2	2
gonl-61a	1	2	3
gonl-61b	1	2	2
gonl-61c	0	2	3
gonl-62a	1	2	2
gonl-62b	1	2	2
gonl-62c	0	2	2
gonl-63a	1	2	2
gonl-63b	1	2	2
gonl-63c	0	2	2
gonl-64a	1	2	2
gonl-64b	1	2	2
gonl-64c	0	2	2
gonl-65a	1	2	2
gonl-65b	1	2	2
gonl-65c	0	2	2
gonl-66a	1	2	2
gonl-66b	1	2	2
gonl-66c	0	2	2
gonl-67a	1	2	2
gonl-67b	1	2	2
gonl-67c	0	2	2
gonl-68a	1	2	1
gonl-68b	1	2	2
gonl-68c	0	2	2
gonl-69a	1	2	1
gonl-69b	1	2	2
gonl-69c	0	2	1
gonl-6a	1	2	2
gonl-6b	1	2	2
gonl-6c	0	2	2
gonl-70a	1	2	2
gonl-70b	1	2	2
gonl-70c	0	2	2
gonl-71a	1	2	2
gonl-71b	1	2	2
gonl-71c	0	2	2
gonl-72a	1	2	2
gonl-72b	1	2	2
gonl-72c	0	2	2
gonl-73a	1	2	1
gonl-73b	1	2	2
gonl-73c	0	2	1
gonl-74a	1	2	2
gonl-74b	1	2	1

gonl-74c	0	2	1
gonl-75a	1	2	2
gonl-75b	0	2	2
gonl-75c	0	2	2
gonl-76a	1	2	2
gonl-76b	1	2	2
gonl-76c	0	2	2
gonl-77a	1	2	1
gonl-77b	1	2	2
gonl-77c	0	2	2
gonl-78a	1	2	2
gonl-78b	1	2	2
gonl-78c	0	2	2
gonl-79a	1	2	2
gonl-79b	1	2	2
gonl-79c	0	2	2
gonl-7a	1	2	2
gonl-7b	1	2	2
gonl-7c	0	2	2
gonl-7d	0	2	2
gonl-80a	1	2	2
gonl-80b	1	2	2
gonl-80c	0	2	2
gonl-81a	1	2	2
gonl-81b	1	2	2
gonl-81c	0	2	2
gonl-82a	1	2	2
gonl-82b	1	2	2
gonl-82c	0	2	2
gonl-83a	1	2	2
gonl-83b	1	2	2
gonl-83c	0	2	2
gonl-84a	1	2	2
gonl-84b	1	2	2
gonl-84c	0	2	2
gonl-85a	1	2	3
gonl-85b	1	2	2
gonl-85c	0	2	2
gonl-86a	1	2	2
gonl-86b	1	2	2
gonl-86c	0	2	2
gonl-87a	1	2	2
gonl-87b	1	2	2
gonl-87c	0	2	2
gonl-88a	1	2	2
gonl-88b	1	2	2

gonl-88c	0	2	2
gonl-89a	1	2	2
gonl-89b	1	2	2
gonl-89c	0	2	2
gonl-8a	1	2	2
gonl-8b	1	1	2
gonl-8c	0	2	2
gonl-90a	1	2	2
gonl-90b	1	1	2
gonl-90c	0	1	2
gonl-91a	1	2	1
gonl-91b	1	2	2
gonl-91c	0	2	2
gonl-92a	1	2	2
gonl-92b	1	2	2
gonl-92c	0	2	2
gonl-93a	1	2	2
gonl-93b	1	2	2
gonl-93c	0	2	2
gonl-94a	1	2	2
gonl-94b	1	2	2
gonl-94c	0	2	2
gonl-95a	1	2	2
gonl-95b	1	2	2
gonl-95c	0	2	2
gonl-96a	1	2	2
gonl-96b	1	2	2
gonl-96c	0	2	2
gonl-96d	0	2	2
gonl-97a	1	2	2
gonl-97b	1	2	2
gonl-97c	0	2	2
gonl-98a	1	2	2
gonl-98b	0	2	3
gonl-98c	0	2	2
gonl-99a	1	2	1
gonl-99b	1	3	2
gonl-99c	0	2	1
gonl-9a	1	2	2
gonl-9b	1	2	2
gonl-9c	0	2	2

Supplemental table 5. Correlation of PCA based estimation of CNVs and arrayCGH results.

ID_CGH	PC-3 (X)	PC-1 (Y)	CNV FCGR3A	CNV FCGR3B	CNV FCGR3A&3B	CNV arrayCGH
CGH1	29.76	73.36	2	0	2	2/4
CGH19	8.56	38.28	2	1	3	3/4
CGH9	7.84	34.53	2	1	3	3/4
CGH6	-28.21	32.13	1	2	3	3/4
CGH8	-26.59	30.38	1	2	3	3/4
CGH11	0.35	7.02	2	2	4	4/4
CGH2	-4.37	4.19	2	2	4	4/4
CGH10	25.36	2.67	3	1	4	4/4
CGH12	-1.61	0.33	2	2	4	4/4
CGH7	-3.73	-1.36	2	2	4	4/4
CGH15	-3.07	-1.77	2	2	4	4/4
CGH13	12.3	-16.47	≥3	2	≥5	5/4
CGH16	-7.55	-17.37	2	≥3	≥5	5/4
CGH3	14.9	-18.42	≥3	2	≥5	5/4
CGH5	-7.61	-21.09	2	≥3	≥5	5/4
CGH4	15.43	-22.13	≥3	2	≥5	5/4
CGH14	-4.69	-23.29	2	≥3	≥5	5/4
CGH17	-9.09	-24.67	2	≥3	≥5	5/4
CGH18	-9.78	-24.88	2	≥3	≥5	5/4
CGH20	11.22	-39.85	≥3	≥3	≥5	6/4
CGH22	9.84	-46.07	≥3	≥3	≥5	6/4
CGH21	-18.01	-65.21	2	≥3	≥5	6/4

CNV *FCGR3A*, CNV *FCGR3B*, CNV *FCGR3A + FCGR3B* – the number of copies of *FCGR3A*, *FCGR3B* and *FCGR3A + FCGR3B* blocks analysis, respectively, based on PC analysis. CNV arrayCGH – estimation of CNV by ArrayCGH analysis (the average number of copies is 4). PC-3 (X), PC-1 (Y) - the value of the third and first principal component for FCGR blocks analysis respectively. Individual CGH21 most likely has 4 copies of *FCGR3B* block (coordinates of this sample on figure 3 are (x=-18,0 y=-65.2)).

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Supplemental table 6. Correlation of PCA-based estimations of CNVs and NGS results

Sample ID	PC-3 (X)	PC-1 (Y)	<i>FCGR3A</i>	<i>FCGR3A</i>	<i>FCGR3B</i>	<i>FCGR3B</i>
			CNV_PCA	CNV_NGS	CNV_PCA	CNV_NGS
gonl-31b	17.66	-52.54	≥3	4	≥3	3
gonl-46a	21.65	0.86	≥3	3	1	1
gonl-238a	25.81	2.71	≥3	3	1	1
gonl-150b	7.28	-42.44	≥3	3	≥3	3
gonl-184b	16.99	-24.02	≥3	3	2	2
gonl-245a	17.65	-26.06	≥3	3	2	2
gonl-122b	27.08	76.11	2	2	0	0
gonl-55a	-6.29	-2.34	2	2	2	2
gonl-116a	0.7	31.55	2	2	1	1
gonl-227a	-6.94	-41.61	2	2	≥3	4
gonl-54a	-6.68	-23.82	2	2	≥3	3
gonl-114c	-6.02	-44.21	2	2	≥3	4
gonl-61a	-6.89	-40.81	2	2	≥3	4
gonl-175b	-1.96	-5.92	2	2	2	2
gonl-114b	-7.73	-42.32	2	2	≥3	4
gonl-107b	9.41	30.8	2	2	1	1
gonl-24a	-13.73	75.59	1	1	1	1
gonl-8b	-27.86	32.91	1	1	2	2
gonl-90b	-22.32	31.51	1	1	2	2
gonl-179a	-28.58	1.41	1	1	≥3	3

FCGR3A CNV_PCA, *FCGR3B CNV_PCA* – the number of copies of *FCGR3A* and *FCGR3B* blocks analysis, respectively, based on PC analysis. *FCGR3A CNV_NGS*, *FCGR3B CNV_NGS* – the number of copies of *FCGR3A* and *FCGR3B* blocks analysis, respectively, based on next-generation sequencing analysis. PC-3 (X), PC-1 (Y) - the value of the third and first principal component for *FCGR* blocks analysis respectively.

Supplemental table 7. Results of association analysis of *FCGR3A* CNV.

disease	popul ation	status	freq		freq		p-value	OR	Cilow	Cihigh
			cases	cases	controls	contr				
CeD	NL	FCGR3A_<2	16	0.014	18	0.013	0.677	1.162	0.596	2.268
		FCGR3A_2	1032	0.931	1341	0.940				
		FCGR3A_>2	61	0.055	67	0.047	0.355	1.184	0.831	1.689
	IN	FCGR3A_<2	1	0.004	8	0.021	0.166	0.214	0.005	1.616
		FCGR3A_2	214	0.955	366	0.941				
		FCGR3A_>2	9	0.040	15	0.039	0.952	1.026	0.389	2.553
	IT	FCGR3A_<2	19	0.014	20	0.016	0.747	0.865	0.435	1.718
		FCGR3A_2	1292	0.942	1177	0.938				
		FCGR3A_>2	60	0.044	58	0.046	0.778	0.942	0.640	1.389
	PL	FCGR3A_<2	12	0.024	4	0.008	0.044	3.156	0.948	13.516
		FCGR3A_2	472	0.937	497	0.934				
		FCGR3A_>2	20	0.040	31	0.058	0.198	0.680	0.362	1.250
	SP	FCGR3A_<2	11	0.020	6	0.020	0.972	1.018	0.341	3.390
		FCGR3A_2	506	0.937	281	0.918				
		FCGR3A_>2	23	0.043	19	0.062	0.249	0.673	0.344	1.331
IBD	NL	FCGR3A_<2	20	0.014	18	0.013	0.830	1.067	0.567	2.010
		FCGR3A_2	1389	0.942	1341	0.940				
		FCGR3A_>2	65	0.044	67	0.047	0.713	0.937	0.662	1.327
CrD	NL	FCGR3A_<2	13	0.014	18	0.013	0.705	1.172	0.578	2.376
		FCGR3A_2	843	0.938	1341	0.940				
		FCGR3A_>2	43	0.048	67	0.047	0.918	1.029	0.696	1.521
UC	NL	FCGR3A_<2	7	0.012	18	0.013	0.918	1.033	0.440	2.427
		FCGR3A_2	546	0.950	1341	0.940				
		FCGR3A_>2	22	0.038	67	0.047	0.390	0.830	0.510	1.351
RA_all	NL	FCGR3A_<2	6	0.009	18	0.013	0.510	0.809	0.329	1.988
		FCGR3A_2	610	0.941	1341	0.940				
		FCGR3A_>2	32	0.049	67	0.047	0.825	1.066	0.694	1.637
	SW	FCGR3A_<2	11	0.016	21	0.022	0.471	0.731	0.316	1.600
		FCGR3A_2	627	0.929	875	0.931				
		FCGR3A_>2	37	0.055	44	0.047	0.490	1.173	0.728	1.884
	US	FCGR3A_<2	28	0.013	24	0.019	0.145	0.649	0.361	1.176
		FCGR3A_2	2086	0.936	1161	0.917				
		FCGR3A_>2	115	0.052	81	0.064	0.125	0.790	0.584	1.074
	S_Bost	FCGR3A_<2	21	0.021	29	0.016	0.373	1.308	0.705	2.389
		FCGR3A_2	954	0.943	1723	0.930				
		FCGR3A_>2	37	0.037	100	0.054	0.043	0.668	0.442	0.993
	NL	FCGR3A_<2	4	0.012	18	0.013	0.921	1.118	0.396	3.154
		FCGR3A_2	315	0.949	1341	0.940				
		FCGR3A_>2	13	0.039	67	0.047	0.536	0.874	0.481	1.589
	SW	FCGR3A_<2	8	0.020	21	0.022	0.841	0.887	0.336	2.107
		FCGR3A_2	376	0.926	875	0.931				

A_CCpoc	US	FCGR3A_>2	22	0.054	44	0.047	0.583	1.163	0.654	2.016
		FCGR3A_<2	19	0.012	24	0.019	0.163	0.631	0.325	1.208
		FCGR3A_2	1457	0.933	1161	0.917				
	S_Bost	FCGR3A_>2	85	0.054	81	0.064	0.295	0.836	0.603	1.160
		FCGR3A_<2	21	0.021	29	0.016	0.371	1.323	0.713	2.417
		FCGR3A_2	943	0.942	1723	0.930				
A_CCpne	NL	FCGR3A_>2	37	0.037	100	0.054	0.053	0.676	0.447	1.004
		FCGR3A_<2	2	0.007	18	0.013	0.389	0.751	0.199	2.832
		FCGR3A_2	281	0.937	1341	0.940				
	SW	FCGR3A_>2	17	0.057	67	0.047	0.493	1.260	0.733	2.164
		FCGR3A_<2	3	0.016	21	0.022	0.784	0.710	0.134	2.418
		FCGR3A_2	176	0.926	875	0.931				
	US	FCGR3A_>2	11	0.058	44	0.047	0.579	1.243	0.567	2.505
		FCGR3A_<2	9	0.017	24	0.019	0.849	0.878	0.356	1.973
		FCGR3A_2	496	0.939	1161	0.917				
		FCGR3A_>2	23	0.044	81	0.064	0.097	0.665	0.394	1.082

Supplemental table 8. Results of association analysis of *FCGR3B* CNV.

disease	popul ation	status	freq		freq		p-value	OR	Cilow	Cihigh
			cases	cases	controls	contr				
CeD	NL	FCGR3B_<2	77	0.069	83	0.058	0.158	1.261	0.915	1.738
		FCGR3B_2	893	0.805	1213	0.851				
		FCGR3B_>2	139	0.125	130	0.091	0.004	1.451	1.126	1.871
	IN	FCGR3B_<2	25	0.112	34	0.087	0.315	1.352	0.747	2.422
		FCGR3B_2	169	0.754	311	0.799				
		FCGR3B_>2	30	0.134	44	0.113	0.435	1.254	0.732	2.125
	IT	FCGR3B_<2	114	0.083	139	0.111	0.017	0.723	0.551	0.947
		FCGR3B_2	1163	0.848	1025	0.817				
		FCGR3B_>2	94	0.069	91	0.073	0.541	0.910	0.667	1.244
	PL	FCGR3B_<2	38	0.075	29	0.055	0.162	1.457	0.857	2.499
		FCGR3B_2	400	0.794	445	0.836				
		FCGR3B_>2	66	0.131	58	0.109	0.248	1.266	0.853	1.883
	SP	FCGR3B_<2	63	0.117	26	0.085	0.238	1.370	0.830	2.318
		FCGR3B_2	433	0.802	245	0.801				
		FCGR3B_>2	44	0.081	35	0.114	0.176	0.712	0.433	1.176
IBD	NL	FCGR3B_<2	106	0.072	83	0.058	0.111	1.271	0.944	1.711
		FCGR3B_2	1216	0.825	1213	0.851				
		FCGR3B_>2	152	0.103	130	0.091	0.222	1.165	0.910	1.491
CrD	NL	FCGR3B_<2	68	0.076	83	0.058	0.082	1.346	0.965	1.876
		FCGR3B_2	740	0.823	1213	0.851				
		FCGR3B_>2	91	0.101	130	0.091	0.341	1.151	0.867	1.526
UC	NL	FCGR3B_<2	38	0.066	83	0.058	0.448	1.182	0.795	1.756
		FCGR3B_2	476	0.828	1213	0.851				
		FCGR3B_>2	61	0.106	130	0.091	0.276	1.205	0.874	1.661
RA_all	NL	FCGR3B_<2	44	0.068	83	0.058	0.361	1.204	0.826	1.757
		FCGR3B_2	539	0.832	1213	0.851				
		FCGR3B_>2	65	0.100	130	0.091	0.462	1.133	0.828	1.550
	SW	FCGR3B_<2	33	0.049	29	0.031	0.087	1.602	0.931	2.769
		FCGR3B_2	568	0.841	800	0.851				
		FCGR3B_>2	74	0.110	111	0.118	0.750	0.939	0.676	1.298
	US	FCGR3B_<2	175	0.079	109	0.086	0.519	0.921	0.712	1.196
		FCGR3B_2	1793	0.804	1029	0.813				
		FCGR3B_>2	261	0.117	128	0.101	0.177	1.170	0.930	1.478
	S_Bost	FCGR3B_<2	95	0.094	130	0.070	0.029	1.364	1.022	1.817
		FCGR3B_2	829	0.819	1548	0.836				
		FCGR3B_>2	88	0.087	174	0.094	0.733	0.944	0.712	1.245
	NL	FCGR3B_<2	26	0.078	83	0.058	0.166	1.414	0.896	2.231
		FCGR3B_2	275	0.828	1213	0.851				
		FCGR3B_>2	31	0.093	130	0.091	0.810	1.074	0.713	1.620
	SW	FCGR3B_<2	22	0.054	29	0.031	0.062	1.753	0.945	3.210
		FCGR3B_2	346	0.852	800	0.851				

A_CCpoc	US	FCGR3B_>2	38	0.094	111	0.118	0.254	0.792	0.521	1.181
		FCGR3B_<2	128	0.082	109	0.086	0.732	0.951	0.721	1.256
		FCGR3B_2	1271	0.814	1029	0.813				
	S_Bost	FCGR3B_>2	162	0.104	128	0.101	0.851	1.025	0.796	1.322
		FCGR3B_<2	95	0.095	130	0.070	0.024	1.383	1.035	1.841
		FCGR3B_2	818	0.817	1548	0.836				
A_CCpne	NL	FCGR3B_>2	88	0.088	174	0.094	0.784	0.957	0.722	1.262
		FCGR3B_<2	17	0.057	83	0.058	0.970	1.032	0.606	1.759
		FCGR3B_2	251	0.837	1213	0.851				
	SW	FCGR3B_>2	32	0.107	130	0.091	0.406	1.214	0.807	1.824
		FCGR3B_<2	9	0.047	29	0.031	0.259	1.622	0.662	3.607
		FCGR3B_2	153	0.805	800	0.851				
	US	FCGR3B_>2	28	0.147	111	0.118	0.224	1.319	0.809	2.094
		FCGR3B_<2	39	0.074	109	0.086	0.633	0.902	0.598	1.338
		FCGR3B_2	408	0.773	1029	0.813				
		FCGR3B_>2	81	0.153	128	0.101	0.003	1.596	1.165	2.177

Supplemental table 9. Results of association analysis of *FCGR3A*&*FCGR3B* CNV.

disease	population	status	cases	freq cases	controls	freq contr	p-value	OR	Cilow	Cihigh	
CeD	NL	FCGR3AB_<2	84	0.076	95	0.067	0.234	1.206	0.888	1.637	
		FCGR3AB_2	842	0.759	1147	0.805					
		FCGR3AB_>2	183	0.165	183	0.128	0.007	1.362	1.089	1.702	
	IN	FCGR3AB_<2	26	0.116	38	0.098	0.404	1.274	0.715	2.242	
		FCGR3AB_2	161	0.719	300	0.771					
		FCGR3AB_>2	37	0.165	51	0.131	0.226	1.351	0.823	2.203	
	IT	FCGR3AB_<2	125	0.091	149	0.119	0.024	0.742	0.571	0.963	
		FCGR3AB_2	1101	0.803	974	0.776					
		FCGR3AB_>2	145	0.106	132	0.105	0.848	0.972	0.750	1.260	
	PL	FCGR3AB_<2	47	0.093	31	0.058	0.043	1.667	1.013	2.776	
		FCGR3AB_2	379	0.752	417	0.784					
		FCGR3AB_>2	78	0.155	84	0.158	0.931	1.022	0.718	1.453	
	SP	FCGR3AB_<2	69	0.128	29	0.095	0.305	1.308	0.809	2.159	
		FCGR3AB_2	411	0.761	226	0.739					
		FCGR3AB_>2	60	0.111	51	0.167	0.043	0.647	0.422	0.995	
	IBD	NL	FCGR3AB_<2	117	0.079	95	0.067	0.166	1.219	0.919	1.616
			FCGR3AB_2	1157	0.785	1147	0.805				
			FCGR3AB_>2	199	0.135	183	0.128	0.497	1.078	0.868	1.338
CrD	NL	FCGR3AB_<2	72	0.080	95	0.067	0.202	1.235	0.897	1.699	
		FCGR3AB_2	706	0.786	1147	0.805					
		FCGR3AB_>2	120	0.134	183	0.128	0.618	1.068	0.833	1.369	
UC	NL	FCGR3AB_<2	45	0.078	95	0.067	0.325	1.217	0.841	1.761	
		FCGR3AB_2	451	0.784	1147	0.805					
		FCGR3AB_>2	79	0.137	183	0.128	0.521	1.104	0.831	1.468	
RA_all	NL	FCGR3AB_<2	47	0.073	95	0.067	0.573	1.121	0.780	1.612	
		FCGR3AB_2	511	0.789	1147	0.805					
		FCGR3AB_>2	90	0.139	183	0.128	0.478	1.109	0.844	1.456	
	SW	FCGR3AB_<2	42	0.062	47	0.050	0.317	1.271	0.805	2.000	
		FCGR3AB_2	526	0.779	748	0.796					
		FCGR3AB_>2	107	0.159	145	0.154	0.727	1.049	0.790	1.391	
	US	FCGR3AB_<2	192	0.086	121	0.096	0.420	0.901	0.704	1.156	
		FCGR3AB_2	1686	0.756	957	0.756					
		FCGR3AB_>2	351	0.157	188	0.148	0.588	1.060	0.869	1.294	
	S_Bost	FCGR3AB_<2	109	0.108	147	0.079	0.019	1.370	1.043	1.795	
		FCGR3AB_2	789	0.780	1458	0.787					
		FCGR3AB_>2	114	0.113	247	0.133	0.211	0.853	0.666	1.088	
	NL	FCGR3AB_<2	27	0.081	95	0.067	0.364	1.259	0.807	1.964	
		FCGR3AB_2	265	0.798	1147	0.805					
		FCGR3AB_>2	40	0.120	183	0.128	0.767	0.962	0.667	1.386	
	SW	FCGR3AB_<2	29	0.071	47	0.050	0.155	1.446	0.861	2.395	
		FCGR3AB_2	319	0.786	748	0.796					

CCPr		FCGR3AB>2	58	0.143	145	0.154	0.738	0.938	0.661	1.319
	US	FCGR3AB_<2	139	0.089	121	0.096	0.552	0.920	0.705	1.202
		FCGR3AB_2	1195	0.766	957	0.756				
		FCGR3AB_>2	227	0.145	188	0.148	0.787	0.967	0.779	1.202
	S_Bost	FCGR3AB_<2	109	0.109	147	0.079	0.016	1.389	1.058	1.821
		FCGR3AB_2	778	0.777	1458	0.787				
FCGR3AB_>2		114	0.114	247	0.133	0.256	0.865	0.675	1.104	
CCPr	NL	FCGR3AB<2	19	0.063	95	0.067	0.939	1.018	0.613	1.690
		FCGR3AB_2	234	0.780	1147	0.805				
		FCGR3AB_>2	47	0.157	183	0.128	0.197	1.274	0.899	1.806
	SW	FCGR3AB_<2	11	0.058	47	0.050	0.580	1.233	0.562	2.485
		FCGR3AB_2	142	0.747	748	0.796				
		FCGR3AB_>2	37	0.195	145	0.154	0.157	1.344	0.872	2.036
	US	FCGR3AB_<2	47	0.089	121	0.096	1.000	0.978	0.669	1.413
		FCGR3AB_2	380	0.720	957	0.756				
		FCGR3AB_>2	101	0.191	188	0.148	0.033	1.353	1.022	1.784

Supplemental table 10

Results of meta-analysis of *FCGR3A*, *FCGR3B* and combined *FCGR3A* and *FCGR3B* CNV state in RA (CCP+ and CCP-), CeD and IBD

Low and high CNVs are compared with average (average is 2 for *FCGR3A* and *FCGR3B*, and 4 for *FCGR3A+FCGR3B* analysis).

disease	status	p-value	OR	Cilow	Cihigh
META_CeD	FCGR3A_low_vs_average	0.536	1.147	0.743	1.771
META_RA_CCPpos	FCGR3A_low_vs_average	0.737	0.932	0.619	1.403
META_RA_CCPneg	FCGR3A_low_vs_average	0.369	0.770	0.436	1.361
META_RA_All	FCGR3A_low_vs_average	0.353	0.859	0.623	1.184
META_CeD	FCGR3A_high_vs_average	0.661	0.951	0.759	1.191
META_RA_CCPpos	FCGR3A_high_vs_average	0.087	0.837	0.683	1.026
META_RA_CCPneg	FCGR3A_high_vs_average	0.557	0.901	0.637	1.275
META_RA_All	FCGR3A_high_vs_average	0.099	0.847	0.695	1.032
META_CeD	FCGR3B_low_vs_average	0.737	1.030	0.867	1.223
META_RA_CCPpos	FCGR3B_low_vs_average	0.023	1.229	1.029	1.467
META_RA_CCPneg	FCGR3B_low_vs_average	0.933	1.016	0.701	1.472
META_RA_All	FCGR3B_low_vs_average	0.084	1.152	0.981	1.354
META_CeD	FCGR3B_high_vs_average	0.085	1.149	0.981	1.345
META_RA_CCPpos	FCGR3B_high_vs_average	0.661	0.963	0.812	1.141
META_RA_CCPneg	FCGR3B_high_vs_average	0.002	1.429	1.146	1.782
META_RA_All	FCGR3B_high_vs_average	0.344	1.075	0.925	1.250
META_CeD	FCGR3AB_low_vs_average	0.651	1.039	0.880	1.227
META_RA_CCPpos	FCGR3AB_low_vs_average	0.052	1.182	0.998	1.399
META_RA_CCPneg	FCGR3AB_low_vs_average	0.878	1.021	0.785	1.328
META_RA_All	FCGR3AB_low_vs_average	0.149	1.122	0.960	1.312
META_CeD	FCGR3AB_high_vs_average	0.166	1.110	0.958	1.286
META_RA_CCPpos	FCGR3AB_high_vs_average	0.300	0.931	0.814	1.066
META_RA_CCPneg	FCGR3AB_high_vs_average	0.004	1.328	1.093	1.614
META_RA_All	FCGR3AB_high_vs_average	0.870	1.010	0.892	1.144

Supplemental table 11.

Breslow-Day analysis for heterogeneity of CNV association in all tested populations

genotype	p-value_Breslow_Day_test
FCGR3A_low_vs_average	0.23
FCGR3A_high_vs_average	0.37
FCGR3B_low_vs_average	0.01
FCGR3B_high_vs_average	0.17
FCGR3AB_low_vs_average	0.02
FCGR3AB_high_vs_average	0.08

Supplemental table 12.

Power calculation for FCGR3A, FCGR3B and combined FCGR3A&FCGR3B CNV in all studied groups

Disease	OR	pw_FCGR3A _low	pw_FCGR3A _high	pw_FCGR3B _low	pw_FCGR3B _high	pw_FCGR3 AB_low	pw_FCGR3 AB_high
CeD	1.2	0.230	0.6021	0.665	0.807	0.769	0.896
CeD	1.5	0.859	0.9997	1.000	1	1	1
CeD	2.0	1.000	1	1	1	1	1
IBD	1.2	0.113	0.2605	0.294	0.389	0.360	0.481
IBD	1.5	0.435	0.9005	0.936	0.983	0.974	0.996
IBD	2.0	0.926	1	1	1	1	1
RA_CCPpos	1.2	0.249	0.6446	0.7074	0.842	0.807	0.920
RA_CCPpos	1.5	0.898	0.9999	1	1	1	1
RA_CCPpos	2.0	1	1	1	1	1	1
RA_CCPneg	1.2	0.131	0.317	0.357	0.467	0.434	0.567
RA_CCPneg	1.5	0.565	0.965	0.981	0.9989	0.995	0.9994
RA_CCPneg	2.0	0.989	1	1	1	1	1
RA_all	1.2	0.291	0.727	0.788	0.904	0.876	0.960
RA_all	1.5	0.9405	1	1	1	1	1
RA_all	2.0	1	1	1	1	1	1