

Supp. Table X1: Variant Totals By Continental Population

	#Variants in Exome (%dbSNP*)		#Variants in ADME Genes (%dbSNP*)		Coding Variants Per Person (Whole Exome)		Coding Variants Per Person (ADME Genes)	
	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only
African (N=180)	222,703 (83.6)	133,051 (87.3)	3,967 (87.4)	2,909 (89.1)	27,344	15,543	485	357
American (N=223)	199,991 (78.3)	120,271 (80.1)	3,547 (81.4)	2,623 (81.7)	23,116	13,023	402	299
Northeast/East Asian (NEAVA + 1000G E. Asian) (N=631)	254,877 (47.6)	163,201 (46.7)	4,514 (50.9)	3,494 (50.6)	22,423	12,679	381	282
European (N=328)	180,140 (77.4)	110,991 (78.9)	3,190 (81.5)	2,398 (81.2)	22,364	12,690	393	292
South Asian [One population (GIH)] (N=70)	101,767 (69.7)	59,437 (70.0)	1,772 (73.1)	1,296 (73.0)	23,159	12,999	398	295
Joint Sample (1000G + NEAVA) (N=1,432)	609,218 (56.0)	389,294 (57.7)	10,767 (60.4)	8,296 (61.0)	23,172	13,110	401	297

Supp. Table X2: Variant Totals By Individual Population (African)

		#Variants in Exome (%dbSNP*)		#Variants in ADME Genes (%dbSNP*)		Coding Variants Per Person (Whole Exome)		Coding Variants Per Person (ADME Genes)	
		Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only
African Populations	LWK (N=25)	110,728 (92.6)	64,425 (94.9)	1,992 (94.0)	1,421 (95.1)	27,710	15,680	488	358
	YRI (N=81)	151,693 (88.9)	89,269 (92.1)	2,668 (92.5)	1,912 (93.9)	27,507	15,660	490	359
African Combined (N=180)		222,703 (83.6)	133,051 (87.3)	3,967 (87.4)	2,909 (89.1)	27,344	15,543	485	357

Supp. Table X3: Variant Totals By Individual Population (American)

		#Variants in Exome (%dbSNP*)		#Variants in ADME Genes (%dbSNP*)		Coding Variants Per Person (Whole Exome)		Coding Variants Per Person (ADME Genes)	
		Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only
American Populations	ACB (N=23)	105,353 (92.6)	63,310 (94.2)	1,937 (95.2)	1,423 (95.4)	26,850	15,566	486	361
	ASW (N=51)	144,484 (92.2)	84,060 (95.0)	2,591 (94.4)	1,871 (95.7)	27,129	15,278	476	351
	CLM (N=48)	102,498 (91.1)	60,175 (92.5)	1,854 (92.2)	1,353 (92.2)	23,270	13,144	411	306
	MXL (N=58)	102,401 (89.0)	59,322 (90.5)	1,788 (91.2)	1,297 (92.0)	23,123	12,937	399	296
	PEL (N=47)	82,504 (82.2)	48,397 (82.1)	1,466 (85.0)	1,069 (84.3)	22,355	12,598	383	286
	PUR (N=70)	124,763 (89.7)	73,499 (91.8)	2,208 (92.3)	1,607 (92.7)	23,517	13,296	410	305
American Combined (N=223)		199,991 (78.3)	120,271 (80.1)	3,547 (81.4)	2,623 (81.7)	23,116	13,023	402	299

Supp. Table X4: Variant Totals By Individual Population (East Asian)

		#Variants in Exome (%dbSNP*)		#Variants in ADME Genes (%dbSNP*)		Coding Variants Per Person (Whole Exome)		Coding Variants Per Person (ADME Genes)	
		Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only
East Asian Populations	CDX (N=78)	85,849 (72.3)	53,853 (69.0)	1,537 (73.1)	1,153 (72.9)	21,980	12,693	379	282
	CHB (N=73)	91,151 (80.1)	56,148 (79.0)	1,647 (80.9)	1,245 (80.0)	22,168	12,719	379	281
	CHS (N=90)	95,048 (77.9)	59,648 (77.0)	1,724 (78.4)	1,301 (78.7)	22,019	12,690	380	284
	JPT (N=74)	90,250 (82.1)	52,457 (83.5)	1,559 (83.7)	1,150 (84.6)	22,695	12,730	382	282
	KHV (N=65)	89,810 (72.1)	53,907 (70.7)	1,591 (74.6)	1,197 (72.6)	22,407	12,754	386	287
	NJPN (N=125)	105,721 (68.8)	61,896 (68.7)	1,833 (72.0)	1,353 (72.3)	22,734	12,631	380	279
	NKOR (N=126)	108,404 (67.8)	63,758 (67.4)	1,894 (69.9)	1,412 (70.0)	22,675	12,615	382	280
East Asian Combined (N=631)		254,877 (47.6)	163,201 (46.7)	4,514 (50.9)	3,494 (50.6)	22,423	12,679	381	282

Supp. Table X5: Variant Totals By Individual Population (European)

		#Variants in Exome (%dbSNP*)		#Variants in ADME Genes (%dbSNP*)		Coding Variants Per Person (Whole Exome)		Coding Variants Per Person (ADME Genes)	
		Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only	Full Target	Consensus Regions Only
European Populations	CEU (N=66)	92,591 (90.6)	54,338 (92.4)	1,631 (92.8)	1,216 (92.4)	22,433	12,662	396	295
	FIN (N=81)	88,214 (90.1)	52,293 (91.2)	1,520 (93.2)	1,123 (93.6)	22,193	12,689	392	291
	GBR (N=68)	90,529 (90.2)	53,311 (91.5)	1,632 (92.6)	1,217 (93.1)	22,300	12,628	389	289
	IBS (N=52)	89,156 (87.3)	53,294 (87.9)	1,601 (90.5)	1,176 (90.7)	22,353	12,720	393	292
	TSI (N=61)	95,000 (90.2)	56,031 (91.2)	1,675 (1,532)	1,235 (91.3)	22,597	12,765	394	294
European Combined (N=328)		180,140 (77.4)	110,991 (78.9)	3,190 (81.5)	2,398 (81.2)	22,364	12,690	393	292