

Table S4 Demographic and sequencing information for 70 reference samples.

Sample ID	Population	Sequencing ID
HG00276	European (Finnish)	20b87673c1224e9db8dbbbe82899309c
HG00436	East Asian (Southern Han Chinese)	54db734bc1ec46b29fc6c5c6df35ca65
HG00589	East Asian (Southern Han Chinese)	316ab006177d41b484982d7fa4d851ad
HG01190	American (Puerto Rican)	9e01734a352a41f89266c2ae8c9c13de
NA06991	European (Utah/Mormon)	82b808e2886a42f986da3ba811dbeaa4
NA07000	European (Utah/Mormon)	5d81e03c86324f209c69093ddf77bb62
NA07019	European (Utah/Mormon)	dd864a425f814bca87a971eaf94cfa17
NA07029	European (Utah/Mormon)	28997710cbae49f5996f6075fcbf74bd
NA07055	European (Utah/Mormon)	a9963d642c584dfab81f5ae694208390
NA07056	European (Utah/Mormon)	3a7ec2f78f3c40df98248d3ba1354a20
NA07348	European (Utah/Mormon)	e92d97eb8a3f4c4db75faf9882b167
NA07357	European (Utah/Mormon)	dd64f80e456a46e49555c0c7c30372b0
NA10831	European (Utah/Mormon)	021ab129bb594be5804b02e08e14d93d
NA10847	European (Utah/Mormon)	e030f757080d4e5e841d8e7feef7a665
NA10851	European (Utah/Mormon)	cb484635e004493fb395c764578797b
NA10854	European (Utah/Mormon)	7866e1bc7fddc4304863db4a25d1a42e4
NA11832	European (Utah/Mormon)	22d9ea3d16804243afbbe7e776c5237
NA11839	European (Utah/Mormon)	c392e9300f6b490aa1c43f7ca7d7afd4
NA11993	European (Utah/Mormon)	20be9cf6bed64502b85c999ec59c784b
NA12003	European (Utah/Mormon)	141390df39414eaaaa9725a8349d9c45
NA12006	European (Utah/Mormon)	5f006ec8ba3c41a18d9ff92c0a62955a
NA12145	European (Utah/Mormon)	45e24be4dc7d4cb3a2742ce7c05730e8
NA12156	European (Utah/Mormon)	69d7b11affce444694e9955b90848028
NA12717	European (Utah/Mormon)	3959a73552a04f969d37a04dc869c7a9
NA12813	European (Utah/Mormon)	2c9f234af9b4f6a970d8def07358e5
NA12873	European (Utah/Mormon)	def4a73760dd42d38b17c33cdeb654b
NA18484	African (Yoruba)	3ddccd4bcd41410b3e89559d2cf3186
NA18509	African (Yoruba)	d84c8e4613064299b2a16cfa39d819b5
NA18518	African (Yoruba)	e1ddd983797640bf81b66f9a77b37439
NA18519	African (Yoruba)	20aaa40fcdde4290bfada8dbba5e5232
NA18524	East Asian (Han Chinese)	ba64fb6dbb0a4b36a5cbe53bd8706ca7
NA18526	East Asian (Han Chinese)	7d077b89f2514fb0b8e002f8d9a10189
NA18540	East Asian (Han Chinese)	f00e1071f8402476c9872de37f0ea8a02
NA18544	East Asian (Han Chinese)	ecf7d003ffef4d249351037cb97bac09
NA18552	East Asian (Han Chinese)	5bb329dcb3654e8890985547e82135f6
NA18564	East Asian (Han Chinese)	4323a15d7b5d4bf2b204e0c0088ba923
NA18565	East Asian (Han Chinese)	b859eb68840b42d9a376ce22cfff1cd08
NA18617	East Asian (Han Chinese)	0b7cc95044c54d86a81151d856d0c5b2
NA18855	African (Yoruba)	03bc76a2c27140bc8143c56767ca6877
NA18861	African (Yoruba)	543558ae08cd44b3850fc7b835484037
NA18868	African (Yoruba)	2b0b4c79e8104ed98ef5cc82d9ca8bd2
NA18942	East Asian (Japanese)	bda28ac619e64916b0a28d1f2698e2e
NA18952	East Asian (Japanese)	92ac6c0f69345aab9b9e7d47452ed70
NA18959	East Asian (Japanese)	7fddcb4bdabe743feb4abc155bc580b82
NA18966	East Asian (Japanese)	f52c133442ca4f93a47b689fc385b1f5
NA18973	East Asian (Japanese)	11a1c7b37a63449f9bc65799567b5710
NA18980	East Asian (Japanese)	7a29e8a53b6844d4bb42aa165b34fba3
NA18992	East Asian (Japanese)	b7988ee8179d4678921602d34400a63a
NA19003	East Asian (Japanese)	e968235bb8e14f02af53e2f17cee324f
NA19007	East Asian (Japanese)	6320750d96f747b695f78964df1fad17
NA19095	African (Yoruba)	75331ab394f24d56ac73cee5d41fa15b
NA19109	African (Yoruba)	8f90214c429f4afc9e0da555cb77f89a
NA19122	African (Yoruba)	9e3dcd083ad40dd82fab180a916fb77
NA19143	African (Yoruba)	dfe4ba40717d4891a12ec2c856de671f
NA19147	African (Yoruba)	6b9f68c07c3e4e3e81669fe390ba1027
NA19174	African (Yoruba)	b462b7941e0642309d5d44e7aae6d42f
NA19176	African (Yoruba)	d7b5cf7015d44c23a949dc117c149c80
NA19178	African (Yoruba)	3fcca708192c4ffe8e57318c7d64e480
NA19207	African (Yoruba)	7a94709935ea412e8b7349828beaf338
NA19213	African (Yoruba)	a284eb8f85e4b0ba3c45e30e91a33a1
NA19226	African (Yoruba)	db923feb258241b8b0a3e3aaada9359b
NA19239	African (Yoruba)	69335e244b5f46e5b56e5360f8f826b7
NA19789	American (Mexican-American)	932a3f4c888844c39399f1cfd72bc593
NA19819	African (African-American)	a04f109738f3a358850f5f69d7d8814
NA19908	African (African-American)	0d73bafef55a4a718489f3fdca91fd55
NA19917	African (African-American)	2176d8cef950450bb29052359a2d2d1
NA19920	African (African-American)	228fa4f74dd4431f8eb3526f37e355ed
NA20296	African (African-American)	34b739132d0e403d9aa323b1c3edf12a
NA20509	European (Toscani in Italy)	b51b8299a62f4a3eab95d0467e950b7e
NA21781	unknown (Caucasian)	e246a44270e34d2aa228844732995abe