

secondary_replications

gene	SNP	HWE	Cohort	Model	Ancestry	Effect Size	P-value
AK4	chr1_65640280	0.1235	Tucson	Tractor	AFR	22.3 (\pm 8.57)	1.03x10 ⁻²
AK4	chr1_65640280	0.207	San Juan	Tractor	AFR	12.49 (\pm 4.37)	5.31x10 ⁻³
AK4	chr1_65640280	0.1235	Tucson	Tractor	EUR	-3.44 (\pm 2.53)	1.76x10 ⁻¹
AK4	chr1_65640280	0.207	San Juan	Tractor	EUR	-4.21 (\pm 2.94)	1.55x10 ⁻¹
AK4	chr1_65640280	0.1235	Tucson	Tractor	NAT	-4.81 (\pm 4.47)	2.84x10 ⁻¹
AK4	chr1_65640280	0.207	San Juan	Tractor	NAT	-21.62 (\pm 11.42)	6.15x10 ⁻²
AK4	chr1_65640280	0.1235	Tucson	IWPC	-	0.51 (\pm 1.46)	7.29x10 ⁻¹
AK4	chr1_65640280	0.207	San Juan	IWPC	-	-0.05 (\pm 2.81)	9.86x10 ⁻¹
AK4	chr1_65639779	0.138	Tucson	Tractor	AFR	22.94 (\pm 8.76)	9.82x10 ⁻³
AK4	chr1_65639779	0.1818	San Juan	Tractor	AFR	10.52 (\pm 3.63)	4.69x10 ⁻³
AK4	chr1_65639779	0.138	Tucson	Tractor	EUR	-2.99 (\pm 2.52)	2.39x10 ⁻¹
AK4	chr1_65639779	0.1818	San Juan	Tractor	EUR	-1.79 (\pm 2.78)	5.21x10 ⁻¹
AK4	chr1_65639779	0.138	Tucson	Tractor	NAT	-4.49 (\pm 4.41)	3.10x10 ⁻¹
AK4	chr1_65639779	0.1818	San Juan	Tractor	NAT	-20.77 (\pm 11.52)	7.47x10 ⁻²
AK4	chr1_65639779	0.138	Tucson	IWPC	-	0.45 (\pm 1.44)	7.55x10 ⁻¹
AK4	chr1_65639779	0.1818	San Juan	IWPC	-	1.57 (\pm 2.45)	5.24x10 ⁻¹
AK4	chr1_65639627	0.1313	Tucson	Tractor	AFR	23.04 (\pm 8.74)	9.39x10 ⁻³
AK4	chr1_65639627	0.1818	San Juan	Tractor	AFR	10.52 (\pm 3.63)	4.69x10 ⁻³
AK4	chr1_65639627	0.1313	Tucson	Tractor	EUR	-3.5 (\pm 2.51)	1.66x10 ⁻¹
AK4	chr1_65639627	0.1818	San Juan	Tractor	EUR	-1.79 (\pm 2.78)	5.21x10 ⁻¹
AK4	chr1_65639627	0.1313	Tucson	Tractor	NAT	-4.44 (\pm 4.41)	3.15x10 ⁻¹
AK4	chr1_65639627	0.1818	San Juan	Tractor	NAT	-20.77 (\pm 11.52)	7.47x10 ⁻²
AK4	chr1_65639627	0.1313	Tucson	IWPC	-	0.35 (\pm 1.44)	8.09x10 ⁻¹
AK4	chr1_65639627	0.1818	San Juan	IWPC	-	1.57 (\pm 2.45)	5.24x10 ⁻¹
AK4	chr1_65638766	0.1235	Tucson	Tractor	AFR	22.3 (\pm 8.57)	1.03x10 ⁻²
AK4	chr1_65638766	0.207	San Juan	Tractor	AFR	12.49 (\pm 4.37)	5.31x10 ⁻³
AK4	chr1_65638766	0.1235	Tucson	Tractor	EUR	-3.44 (\pm 2.53)	1.76x10 ⁻¹
AK4	chr1_65638766	0.207	San Juan	Tractor	EUR	-4.21 (\pm 2.94)	1.55x10 ⁻¹
AK4	chr1_65638766	0.1235	Tucson	Tractor	NAT	-4.81 (\pm 4.47)	2.84x10 ⁻¹

AK4	chr1_65638766	0.207	San Juan	Tractor	NAT	-21.62 (\pm 11.42)	6.15x10 ⁻²
AK4	chr1_65638766	0.1235	Tucson	IWPC	-	0.51 (\pm 1.46)	7.29x10 ⁻¹
AK4	chr1_65638766	0.207	San Juan	IWPC	-	-0.05 (\pm 2.81)	9.86x10 ⁻¹
AK4	chr1_65638306	0.1235	Tucson	Tractor	AFR	22.3 (\pm 8.57)	1.03x10 ⁻²
AK4	chr1_65638306	0.203	San Juan	Tractor	AFR	12.55 (\pm 4.38)	5.22x10 ⁻³
AK4	chr1_65638306	0.1235	Tucson	Tractor	EUR	-3.44 (\pm 2.53)	1.76x10 ⁻¹
AK4	chr1_65638306	0.203	San Juan	Tractor	EUR	-3.79 (\pm 3)	2.09x10 ⁻¹
AK4	chr1_65638306	0.1235	Tucson	Tractor	NAT	-4.81 (\pm 4.47)	2.84x10 ⁻¹
AK4	chr1_65638306	0.203	San Juan	Tractor	NAT	-21.59 (\pm 11.45)	6.24x10 ⁻²
AK4	chr1_65638306	0.1235	Tucson	IWPC	-	0.51 (\pm 1.46)	7.29x10 ⁻¹
AK4	chr1_65638306	0.203	San Juan	IWPC	-	0.53 (\pm 2.86)	8.53x10 ⁻¹
AK4	chr1_65637199	0.1313	Tucson	Tractor	AFR	23.04 (\pm 8.74)	9.39x10 ⁻³
AK4	chr1_65637199	0.1818	San Juan	Tractor	AFR	10.52 (\pm 3.63)	4.69x10 ⁻³
AK4	chr1_65637199	0.1313	Tucson	Tractor	EUR	-3.5 (\pm 2.51)	1.66x10 ⁻¹
AK4	chr1_65637199	0.1818	San Juan	Tractor	EUR	-1.79 (\pm 2.78)	5.21x10 ⁻¹
AK4	chr1_65637199	0.1313	Tucson	Tractor	NAT	-4.44 (\pm 4.41)	3.15x10 ⁻¹
AK4	chr1_65637199	0.1818	San Juan	Tractor	NAT	-20.77 (\pm 11.52)	7.47x10 ⁻²
AK4	chr1_65637199	0.1313	Tucson	IWPC	-	0.35 (\pm 1.44)	8.09x10 ⁻¹
AK4	chr1_65637199	0.1818	San Juan	IWPC	-	1.57 (\pm 2.45)	5.24x10 ⁻¹
AK4	chr1_65636827	0.1313	Tucson	Tractor	AFR	23.04 (\pm 8.74)	9.39x10 ⁻³
AK4	chr1_65636827	0.1818	San Juan	Tractor	AFR	10.52 (\pm 3.63)	4.69x10 ⁻³
AK4	chr1_65636827	0.1313	Tucson	Tractor	EUR	-3.5 (\pm 2.51)	1.66x10 ⁻¹
AK4	chr1_65636827	0.1818	San Juan	Tractor	EUR	-1.79 (\pm 2.78)	5.21x10 ⁻¹
AK4	chr1_65636827	0.1313	Tucson	Tractor	NAT	-4.44 (\pm 4.41)	3.15x10 ⁻¹
AK4	chr1_65636827	0.1818	San Juan	Tractor	NAT	-20.77 (\pm 11.52)	7.47x10 ⁻²
AK4	chr1_65636827	0.1313	Tucson	IWPC	-	0.35 (\pm 1.44)	8.09x10 ⁻¹
AK4	chr1_65636827	0.1818	San Juan	IWPC	-	1.57 (\pm 2.45)	5.24x10 ⁻¹
AK4	chr1_65635825	0.1235	Tucson	Tractor	AFR	22.27 (\pm 8.57)	1.04x10 ⁻²
AK4	chr1_65635825	0.1179	San Juan	Tractor	AFR	12.42 (\pm 4.36)	5.42x10 ⁻³
AK4	chr1_65635825	0.1235	Tucson	Tractor	EUR	-3.32 (\pm 2.51)	1.88x10 ⁻¹
AK4	chr1_65635825	0.1179	San Juan	Tractor	EUR	-4.72 (\pm 2.89)	1.06x10 ⁻¹
AK4	chr1_65635825	0.1235	Tucson	Tractor	NAT	-4.87 (\pm 4.47)	2.78x10 ⁻¹

AK4	chr1_65635825	0.1179	San Juan	Tractor	NAT	-21.64 (\pm 11.38)	6.03x10 ⁻²
AK4	chr1_65635825	0.1235	Tucson	IWPC	-	0.32 (\pm 1.46)	8.27x10 ⁻¹
AK4	chr1_65635825	0.1179	San Juan	IWPC	-	-0.53 (\pm 2.76)	8.47x10 ⁻¹
AK4	chr1_65635736	0.08407	Tucson	Tractor	AFR	23 (\pm 8.75)	9.53x10 ⁻³
AK4	chr1_65635736	0.1818	San Juan	Tractor	AFR	10.52 (\pm 3.63)	4.69x10 ⁻³
AK4	chr1_65635736	0.08407	Tucson	Tractor	EUR	-3.36 (\pm 2.51)	1.83x10 ⁻¹
AK4	chr1_65635736	0.1818	San Juan	Tractor	EUR	-1.79 (\pm 2.78)	5.21x10 ⁻¹
AK4	chr1_65635736	0.08407	Tucson	Tractor	NAT	-4.45 (\pm 4.41)	3.14x10 ⁻¹
AK4	chr1_65635736	0.1818	San Juan	Tractor	NAT	-20.77 (\pm 11.52)	7.47x10 ⁻²
AK4	chr1_65635736	0.08407	Tucson	IWPC	-	0.35 (\pm 1.43)	8.08x10 ⁻¹
AK4	chr1_65635736	0.1818	San Juan	IWPC	-	1.57 (\pm 2.45)	5.24x10 ⁻¹
AK4	chr1_65632550	0.1235	Tucson	Tractor	AFR	22.27 (\pm 8.57)	1.04x10 ⁻²
AK4	chr1_65632550	0.207	San Juan	Tractor	AFR	12.48 (\pm 4.37)	5.33x10 ⁻³
AK4	chr1_65632550	0.1235	Tucson	Tractor	EUR	-3.32 (\pm 2.51)	1.88x10 ⁻¹
AK4	chr1_65632550	0.207	San Juan	Tractor	EUR	-4.32 (\pm 2.94)	1.45x10 ⁻¹
AK4	chr1_65632550	0.1235	Tucson	Tractor	NAT	-4.87 (\pm 4.47)	2.78x10 ⁻¹
AK4	chr1_65632550	0.207	San Juan	Tractor	NAT	-21.63 (\pm 11.41)	6.12x10 ⁻²
AK4	chr1_65632550	0.1235	Tucson	IWPC	-	0.32 (\pm 1.46)	8.27x10 ⁻¹
AK4	chr1_65632550	0.207	San Juan	IWPC	-	0.01 (\pm 2.81)	9.98x10 ⁻¹
AK4	chr1_65632482	0.1313	Tucson	Tractor	AFR	22.91 (\pm 8.76)	9.95x10 ⁻³
AK4	chr1_65632482	0.1818	San Juan	Tractor	AFR	10.52 (\pm 3.63)	4.69x10 ⁻³
AK4	chr1_65632482	0.1313	Tucson	Tractor	EUR	-2.84 (\pm 2.52)	2.61x10 ⁻¹
AK4	chr1_65632482	0.1818	San Juan	Tractor	EUR	-1.79 (\pm 2.78)	5.21x10 ⁻¹
AK4	chr1_65632482	0.1313	Tucson	Tractor	NAT	-4.51 (\pm 4.42)	3.09x10 ⁻¹
AK4	chr1_65632482	0.1818	San Juan	Tractor	NAT	-20.77 (\pm 11.52)	7.47x10 ⁻²
AK4	chr1_65632482	0.1313	Tucson	IWPC	-	0.45 (\pm 1.43)	7.54x10 ⁻¹
AK4	chr1_65632482	0.1818	San Juan	IWPC	-	1.57 (\pm 2.45)	5.24x10 ⁻¹
AK4	chr1_65632267	0.1235	Tucson	Tractor	AFR	22.27 (\pm 8.57)	1.04x10 ⁻²
AK4	chr1_65632267	0.207	San Juan	Tractor	AFR	12.48 (\pm 4.37)	5.33x10 ⁻³
AK4	chr1_65632267	0.1235	Tucson	Tractor	EUR	-3.32 (\pm 2.51)	1.88x10 ⁻¹
AK4	chr1_65632267	0.207	San Juan	Tractor	EUR	-4.32 (\pm 2.94)	1.45x10 ⁻¹
AK4	chr1_65632267	0.1235	Tucson	Tractor	NAT	-4.87 (\pm 4.47)	2.78x10 ⁻¹

AK4	chr1_65632267	0.207	San Juan	Tractor	NAT	-21.63 (\pm 11.41)	6.12x10 ⁻²
AK4	chr1_65632267	0.1235	Tucson	IWPC	-	0.32 (\pm 1.46)	8.27x10 ⁻¹
AK4	chr1_65632267	0.207	San Juan	IWPC	-	0.01 (\pm 2.81)	9.98x10 ⁻¹
AK4	chr1_65631690	0.1235	Tucson	Tractor	AFR	22.27 (\pm 8.57)	1.04x10 ⁻²
AK4	chr1_65631690	0.1179	San Juan	Tractor	AFR	12.42 (\pm 4.36)	5.42x10 ⁻³
AK4	chr1_65631690	0.1235	Tucson	Tractor	EUR	-3.32 (\pm 2.51)	1.88x10 ⁻¹
AK4	chr1_65631690	0.1179	San Juan	Tractor	EUR	-4.72 (\pm 2.89)	1.06x10 ⁻¹
AK4	chr1_65631690	0.1235	Tucson	Tractor	NAT	-4.87 (\pm 4.47)	2.78x10 ⁻¹
AK4	chr1_65631690	0.1179	San Juan	Tractor	NAT	-21.64 (\pm 11.38)	6.03x10 ⁻²
AK4	chr1_65631690	0.1235	Tucson	IWPC	-	0.32 (\pm 1.46)	8.27x10 ⁻¹
AK4	chr1_65631690	0.1179	San Juan	IWPC	-	-0.53 (\pm 2.76)	8.47x10 ⁻¹
AK4	chr1_65626573	0.1885	Tucson	Tractor	AFR	22.31 (\pm 8.57)	1.02x10 ⁻²
AK4	chr1_65626573	0.1179	San Juan	Tractor	AFR	12.48 (\pm 4.27)	4.37x10 ⁻³
AK4	chr1_65626573	0.1885	Tucson	Tractor	EUR	-3.46 (\pm 2.51)	1.71x10 ⁻¹
AK4	chr1_65626573	0.1179	San Juan	Tractor	EUR	-3.6 (\pm 2.98)	2.30x10 ⁻¹
AK4	chr1_65626573	0.1885	Tucson	Tractor	NAT	-4.85 (\pm 4.46)	2.79x10 ⁻¹
AK4	chr1_65626573	0.1179	San Juan	Tractor	NAT	-21.11 (\pm 11.45)	6.84x10 ⁻²
AK4	chr1_65626573	0.1885	Tucson	IWPC	-	0.32 (\pm 1.47)	8.28x10 ⁻¹
AK4	chr1_65626573	0.1179	San Juan	IWPC	-	0.72 (\pm 2.75)	7.93x10 ⁻¹
AK4	chr1_65625752	0.1885	Tucson	Tractor	AFR	22.31 (\pm 8.57)	1.02x10 ⁻²
AK4	chr1_65625752	0.1179	San Juan	Tractor	AFR	12.48 (\pm 4.27)	4.37x10 ⁻³
AK4	chr1_65625752	0.1885	Tucson	Tractor	EUR	-3.46 (\pm 2.51)	1.71x10 ⁻¹
AK4	chr1_65625752	0.1179	San Juan	Tractor	EUR	-3.6 (\pm 2.98)	2.30x10 ⁻¹
AK4	chr1_65625752	0.1885	Tucson	Tractor	NAT	-4.85 (\pm 4.46)	2.79x10 ⁻¹
AK4	chr1_65625752	0.1179	San Juan	Tractor	NAT	-21.11 (\pm 11.45)	6.84x10 ⁻²
AK4	chr1_65625752	0.1885	Tucson	IWPC	-	0.32 (\pm 1.47)	8.28x10 ⁻¹
AK4	chr1_65625752	0.1179	San Juan	IWPC	-	0.72 (\pm 2.75)	7.93x10 ⁻¹
AK4	chr1_65625635	0.1175	Tucson	Tractor	AFR	22.26 (\pm 8.57)	1.04x10 ⁻²
AK4	chr1_65625635	0.207	San Juan	Tractor	AFR	12.53 (\pm 4.28)	4.33x10 ⁻³
AK4	chr1_65625635	0.1175	Tucson	Tractor	EUR	-3.3 (\pm 2.52)	1.94x10 ⁻¹
AK4	chr1_65625635	0.207	San Juan	Tractor	EUR	-3.02 (\pm 3.03)	3.22x10 ⁻¹
AK4	chr1_65625635	0.1175	Tucson	Tractor	NAT	-4.83 (\pm 4.47)	2.82x10 ⁻¹

AK4	chr1_65625635	0.207	San Juan	Tractor	NAT	-21.08 (\pm 11.48)	6.96x10 ⁻²
AK4	chr1_65625635	0.1175	Tucson	IWPC	-	0.51 (\pm 1.46)	7.28x10 ⁻¹
AK4	chr1_65625635	0.207	San Juan	IWPC	-	1.24 (\pm 2.79)	6.57x10 ⁻¹
AK4	chr1_65625472	0.1885	Tucson	Tractor	AFR	22.31 (\pm 8.57)	1.02x10 ⁻²
AK4	chr1_65625472	0.1179	San Juan	Tractor	AFR	12.48 (\pm 4.27)	4.37x10 ⁻³
AK4	chr1_65625472	0.1885	Tucson	Tractor	EUR	-3.46 (\pm 2.51)	1.71x10 ⁻¹
AK4	chr1_65625472	0.1179	San Juan	Tractor	EUR	-3.6 (\pm 2.98)	2.30x10 ⁻¹
AK4	chr1_65625472	0.1885	Tucson	Tractor	NAT	-4.85 (\pm 4.46)	2.79x10 ⁻¹
AK4	chr1_65625472	0.1179	San Juan	Tractor	NAT	-21.11 (\pm 11.45)	6.84x10 ⁻²
AK4	chr1_65625472	0.1885	Tucson	IWPC	-	0.32 (\pm 1.47)	8.28x10 ⁻¹
AK4	chr1_65625472	0.1179	San Juan	IWPC	-	0.72 (\pm 2.75)	7.93x10 ⁻¹
AK4	chr1_65624351	0.1885	Tucson	Tractor	AFR	22.31 (\pm 8.57)	1.02x10 ⁻²
AK4	chr1_65624351	0.1179	San Juan	Tractor	AFR	12.48 (\pm 4.27)	4.37x10 ⁻³
AK4	chr1_65624351	0.1885	Tucson	Tractor	EUR	-3.46 (\pm 2.51)	1.71x10 ⁻¹
AK4	chr1_65624351	0.1179	San Juan	Tractor	EUR	-3.6 (\pm 2.98)	2.30x10 ⁻¹
AK4	chr1_65624351	0.1885	Tucson	Tractor	NAT	-4.85 (\pm 4.46)	2.79x10 ⁻¹
AK4	chr1_65624351	0.1179	San Juan	Tractor	NAT	-21.11 (\pm 11.45)	6.84x10 ⁻²
AK4	chr1_65624351	0.1885	Tucson	IWPC	-	0.32 (\pm 1.47)	8.28x10 ⁻¹
AK4	chr1_65624351	0.1179	San Juan	IWPC	-	0.72 (\pm 2.75)	7.93x10 ⁻¹
AK4	chr1_65623980	0.1885	Tucson	Tractor	AFR	22.31 (\pm 8.57)	1.02x10 ⁻²
AK4	chr1_65623980	0.1179	San Juan	Tractor	AFR	12.48 (\pm 4.27)	4.37x10 ⁻³
AK4	chr1_65623980	0.1885	Tucson	Tractor	EUR	-3.46 (\pm 2.51)	1.71x10 ⁻¹
AK4	chr1_65623980	0.1179	San Juan	Tractor	EUR	-3.6 (\pm 2.98)	2.30x10 ⁻¹
AK4	chr1_65623980	0.1885	Tucson	Tractor	NAT	-4.85 (\pm 4.46)	2.79x10 ⁻¹
AK4	chr1_65623980	0.1179	San Juan	Tractor	NAT	-21.11 (\pm 11.45)	6.84x10 ⁻²
AK4	chr1_65623980	0.1885	Tucson	IWPC	-	0.32 (\pm 1.47)	8.28x10 ⁻¹
AK4	chr1_65623980	0.1179	San Juan	IWPC	-	0.72 (\pm 2.75)	7.93x10 ⁻¹
AK4	chr1_65621833	0.05656	Tucson	Tractor	AFR	23.08 (\pm 8.73)	9.17x10 ⁻³
AK4	chr1_65621833	0.1818	San Juan	Tractor	AFR	9.61 (\pm 3.67)	1.03x10 ⁻²
AK4	chr1_65621833	0.05656	Tucson	Tractor	EUR	-3.7 (\pm 2.45)	1.34x10 ⁻¹
AK4	chr1_65621833	0.1818	San Juan	Tractor	EUR	-0.14 (\pm 2.81)	9.61x10 ⁻¹
AK4	chr1_65621833	0.05656	Tucson	Tractor	NAT	-4.42 (\pm 4.4)	3.17x10 ⁻¹

AK4	chr1_65621833	0.1818	San Juan	Tractor	NAT	-20.84 (±11.65)	7.70x10-2
AK4	chr1_65621833	0.05656	Tucson	IWPC	-	0.18 (±1.41)	8.97x10-1
AK4	chr1_65621833	0.1818	San Juan	IWPC	-	2.39 (±2.44)	3.28x10-1
AK4	chr1_65621543	0.08977	Tucson	Tractor	AFR	22.99 (±8.75)	9.58x10-3
AK4	chr1_65621543	0.1818	San Juan	Tractor	AFR	9.61 (±3.67)	1.03x10-2
AK4	chr1_65621543	0.08977	Tucson	Tractor	EUR	-3.21 (±2.46)	1.95x10-1
AK4	chr1_65621543	0.1818	San Juan	Tractor	EUR	-0.14 (±2.81)	9.61x10-1
AK4	chr1_65621543	0.08977	Tucson	Tractor	NAT	-4.47 (±4.41)	3.12x10-1
AK4	chr1_65621543	0.1818	San Juan	Tractor	NAT	-20.84 (±11.65)	7.70x10-2
AK4	chr1_65621543	0.08977	Tucson	IWPC	-	0.28 (±1.41)	8.43x10-1
AK4	chr1_65621543	0.1818	San Juan	IWPC	-	2.39 (±2.44)	3.28x10-1
AK4	chr1_65614260	0.09627	Tucson	Tractor	AFR	22.44 (±8.77)	1.16x10-2
AK4	chr1_65614260	1	San Juan	Tractor	AFR	16.38 (±4.38)	3.21x10-4
AK4	chr1_65614260	0.09627	Tucson	Tractor	EUR	-1.33 (±2.42)	5.85x10-1
AK4	chr1_65614260	1	San Juan	Tractor	EUR	-0.07 (±2.74)	9.79x10-1
AK4	chr1_65614260	0.09627	Tucson	Tractor	NAT	-4.56 (±4.31)	2.92x10-1
AK4	chr1_65614260	1	San Juan	Tractor	NAT	-3.01 (±8.3)	7.18x10-1
AK4	chr1_65614260	0.09627	Tucson	IWPC	-	1.33 (±1.41)	3.50x10-1
AK4	chr1_65614260	1	San Juan	IWPC	-	4.68 (±2.49)	6.34x10-2
AK4	chr1_65613803	0.2715	Tucson	Tractor	AFR	21.91 (±8.6)	1.20x10-2
AK4	chr1_65613803	1	San Juan	Tractor	AFR	14.78 (±4.97)	3.79x10-3
AK4	chr1_65613803	0.2715	Tucson	Tractor	EUR	-2.93 (±2.54)	2.52x10-1
AK4	chr1_65613803	1	San Juan	Tractor	EUR	-2.61 (±2.87)	3.66x10-1
AK4	chr1_65613803	0.2715	Tucson	Tractor	NAT	-3.96 (±4.35)	3.64x10-1
AK4	chr1_65613803	1	San Juan	Tractor	NAT	-21.47 (±11.47)	6.45x10-2
AK4	chr1_65613803	0.2715	Tucson	IWPC	-	0.97 (±1.48)	5.15x10-1
AK4	chr1_65613803	1	San Juan	IWPC	-	1.64 (±2.94)	5.80x10-1
AK4	chr1_65613363	0.2715	Tucson	Tractor	AFR	21.91 (±8.6)	1.20x10-2
AK4	chr1_65613363	1	San Juan	Tractor	AFR	14.78 (±4.97)	3.79x10-3
AK4	chr1_65613363	0.2715	Tucson	Tractor	EUR	-2.93 (±2.54)	2.52x10-1
AK4	chr1_65613363	1	San Juan	Tractor	EUR	-2.61 (±2.87)	3.66x10-1
AK4	chr1_65613363	0.2715	Tucson	Tractor	NAT	-3.96 (±4.35)	3.64x10-1

AK4	chr1_65613363	1	San Juan	Tractor	NAT	-21.47 (± 11.47)	6.45x10 ⁻²
AK4	chr1_65613363	0.2715	Tucson	IWPC	-	0.97 (± 1.48)	5.15x10 ⁻¹
AK4	chr1_65613363	1	San Juan	IWPC	-	1.64 (± 2.94)	5.80x10 ⁻¹
HK2	chr2_75067136	1	Tucson	Tractor	AFR	-39.18 (± 10.89)	4.51x10 ⁻⁴
HK2	chr2_75067136	0.2129	San Juan	Tractor	AFR	-10.59 (± 4.1)	1.14x10 ⁻²
HK2	chr2_75067136	1	Tucson	Tractor	EUR	-1.83 (± 2.24)	4.16x10 ⁻¹
HK2	chr2_75067136	0.2129	San Juan	Tractor	EUR	-0.48 (± 2.26)	8.33x10 ⁻¹
HK2	chr2_75067136	1	Tucson	Tractor	NAT	0.28 (± 3.67)	9.39x10 ⁻¹
HK2	chr2_75067136	0.2129	San Juan	Tractor	NAT	-2.89 (± 10.4)	7.82x10 ⁻¹
HK2	chr2_75067136	1	Tucson	IWPC	-	-1.1 (± 1.4)	4.34x10 ⁻¹
HK2	chr2_75067136	0.2129	San Juan	IWPC	-	-1.22 (± 2.15)	5.71x10 ⁻¹
HK2	chr2_75066153	1	Tucson	Tractor	AFR	-39.18 (± 10.89)	4.51x10 ⁻⁴
HK2	chr2_75066153	0.2129	San Juan	Tractor	AFR	-10.59 (± 4.1)	1.14x10 ⁻²
HK2	chr2_75066153	1	Tucson	Tractor	EUR	-1.83 (± 2.24)	4.16x10 ⁻¹
HK2	chr2_75066153	0.2129	San Juan	Tractor	EUR	-0.48 (± 2.26)	8.33x10 ⁻¹
HK2	chr2_75066153	1	Tucson	Tractor	NAT	0.28 (± 3.67)	9.39x10 ⁻¹
HK2	chr2_75066153	0.2129	San Juan	Tractor	NAT	-2.89 (± 10.4)	7.82x10 ⁻¹
HK2	chr2_75066153	1	Tucson	IWPC	-	-1.1 (± 1.4)	4.34x10 ⁻¹
HK2	chr2_75066153	0.2129	San Juan	IWPC	-	-1.22 (± 2.15)	5.71x10 ⁻¹
HK2	chr2_75065900	0.8534	Tucson	Tractor	AFR	-38.98 (± 10.89)	4.77x10 ⁻⁴
HK2	chr2_75065900	0.2129	San Juan	Tractor	AFR	-10.59 (± 4.1)	1.14x10 ⁻²
HK2	chr2_75065900	0.8534	Tucson	Tractor	EUR	-1.81 (± 2.24)	4.21x10 ⁻¹
HK2	chr2_75065900	0.2129	San Juan	Tractor	EUR	-0.48 (± 2.26)	8.33x10 ⁻¹
HK2	chr2_75065900	0.8534	Tucson	Tractor	NAT	1.3 (± 3.63)	7.22x10 ⁻¹
HK2	chr2_75065900	0.2129	San Juan	Tractor	NAT	-2.89 (± 10.4)	7.82x10 ⁻¹
HK2	chr2_75065900	0.8534	Tucson	IWPC	-	-0.77 (± 1.4)	5.80x10 ⁻¹
HK2	chr2_75065900	0.2129	San Juan	IWPC	-	-1.22 (± 2.15)	5.71x10 ⁻¹
HK2	chr2_75065463	0.8534	Tucson	Tractor	AFR	-38.98 (± 10.89)	4.77x10 ⁻⁴
HK2	chr2_75065463	0.2129	San Juan	Tractor	AFR	-10.59 (± 4.1)	1.14x10 ⁻²
HK2	chr2_75065463	0.8534	Tucson	Tractor	EUR	-1.81 (± 2.24)	4.21x10 ⁻¹
HK2	chr2_75065463	0.2129	San Juan	Tractor	EUR	-0.48 (± 2.26)	8.33x10 ⁻¹
HK2	chr2_75065463	0.8534	Tucson	Tractor	NAT	1.3 (± 3.63)	7.22x10 ⁻¹

HK2	chr2_75065463	0.2129	San Juan	Tractor	NAT	-2.89 (± 10.4)	7.82x10 ⁻¹
HK2	chr2_75065463	0.8534	Tucson	IWPC	-	-0.77 (± 1.4)	5.80x10 ⁻¹
HK2	chr2_75065463	0.2129	San Juan	IWPC	-	-1.22 (± 2.15)	5.71x10 ⁻¹
HK2	chr2_75064392	0.8534	Tucson	Tractor	AFR	-38.98 (± 10.89)	4.77x10 ⁻⁴
HK2	chr2_75064392	0.2129	San Juan	Tractor	AFR	-10.59 (± 4.1)	1.14x10 ⁻²
HK2	chr2_75064392	0.8534	Tucson	Tractor	EUR	-1.81 (± 2.24)	4.21x10 ⁻¹
HK2	chr2_75064392	0.2129	San Juan	Tractor	EUR	-0.48 (± 2.26)	8.33x10 ⁻¹
HK2	chr2_75064392	0.8534	Tucson	Tractor	NAT	1.3 (± 3.63)	7.22x10 ⁻¹
HK2	chr2_75064392	0.2129	San Juan	Tractor	NAT	-2.89 (± 10.4)	7.82x10 ⁻¹
HK2	chr2_75064392	0.8534	Tucson	IWPC	-	-0.77 (± 1.4)	5.80x10 ⁻¹
HK2	chr2_75064392	0.2129	San Juan	IWPC	-	-1.22 (± 2.15)	5.71x10 ⁻¹
HK2	chr2_75064362	0.8534	Tucson	Tractor	AFR	-38.98 (± 10.89)	4.77x10 ⁻⁴
HK2	chr2_75064362	0.2129	San Juan	Tractor	AFR	-10.59 (± 4.1)	1.14x10 ⁻²
HK2	chr2_75064362	0.8534	Tucson	Tractor	EUR	-1.81 (± 2.24)	4.21x10 ⁻¹
HK2	chr2_75064362	0.2129	San Juan	Tractor	EUR	-0.48 (± 2.26)	8.33x10 ⁻¹
HK2	chr2_75064362	0.8534	Tucson	Tractor	NAT	1.3 (± 3.63)	7.22x10 ⁻¹
HK2	chr2_75064362	0.2129	San Juan	Tractor	NAT	-2.89 (± 10.4)	7.82x10 ⁻¹
HK2	chr2_75064362	0.8534	Tucson	IWPC	-	-0.77 (± 1.4)	5.80x10 ⁻¹
HK2	chr2_75064362	0.2129	San Juan	IWPC	-	-1.22 (± 2.15)	5.71x10 ⁻¹
MGAT	chr5_180226673	0.1207	Tucson	Tractor	AFR	31.31 (± 8.2)	2.04x10 ⁻⁴
MGAT	chr5_180226673	0.1287	San Juan	Tractor	AFR	15.63 (± 4.46)	7.26x10 ⁻⁴
MGAT	chr5_180226673	0.1207	Tucson	Tractor	EUR	-5.17 (± 2.81)	6.82x10 ⁻²
MGAT	chr5_180226673	0.1287	San Juan	Tractor	EUR	-4.36 (± 2.61)	9.87x10 ⁻²
MGAT	chr5_180226673	0.1207	Tucson	Tractor	NAT	-0.84 (± 3.41)	8.07x10 ⁻¹
MGAT	chr5_180226673	0.1287	San Juan	Tractor	NAT	1.67 (± 6.19)	7.88x10 ⁻¹
MGAT	chr5_180226673	0.1207	Tucson	IWPC	-	0.2 (± 1.53)	8.95x10 ⁻¹
MGAT	chr5_180226673	0.1287	San Juan	IWPC	-	3.9 (± 2.26)	8.81x10 ⁻²
NEU3	chr11_74726828	0.2543	Tucson	Tractor	AFR	28.13 (± 9.92)	5.25x10 ⁻³
NEU3	chr11_74726828	0.1036	San Juan	Tractor	AFR	10.01 (± 3.86)	1.11x10 ⁻²
NEU3	chr11_74726828	0.2543	Tucson	Tractor	EUR	0.44 (± 2.72)	8.71x10 ⁻¹
NEU3	chr11_74726828	0.1036	San Juan	Tractor	EUR	3.76 (± 2.24)	9.69x10 ⁻²
NEU3	chr11_74726828	0.2543	Tucson	Tractor	NAT	-3.48 (± 3.27)	2.89x10 ⁻¹

NEU3	chr11_74726828	0.1036	San Juan	Tractor	NAT	3.36 (± 6.83)	6.24x10 ⁻¹
NEU3	chr11_74726828	0.2543	Tucson	IWPC	-	0.11 (± 1.56)	9.42x10 ⁻¹
NEU3	chr11_74726828	0.1036	San Juan	IWPC	-	5.3 (± 2.08)	1.25x10 ⁻²
ST8SI	chr18_44291905	1	Tucson	Tractor	AFR	35.31 (± 11.69)	3.02x10 ⁻³
ST8SI	chr18_44291905	0.6548	San Juan	Tractor	AFR	17.82 (± 6.83)	1.07x10 ⁻²
ST8SI	chr18_44291905	1	Tucson	Tractor	EUR	0.31 (± 2.67)	9.09x10 ⁻¹
ST8SI	chr18_44291905	0.6548	San Juan	Tractor	EUR	-1.83 (± 2.92)	5.32x10 ⁻¹
ST8SI	chr18_44291905	1	Tucson	Tractor	NAT	-0.62 (± 3.43)	8.56x10 ⁻¹
ST8SI	chr18_44291905	0.6548	San Juan	Tractor	NAT	-4.34 (± 7.62)	5.70x10 ⁻¹
ST8SI	chr18_44291905	1	Tucson	IWPC	-	-0.16 (± 1.47)	9.13x10 ⁻¹
ST8SI	chr18_44291905	0.6548	San Juan	IWPC	-	1.11 (± 2.69)	6.82x10 ⁻¹
VKOR	chr16_31104878	0.6144	Tucson	Tractor	AFR	-12.95 (± 7.59)	9.01x10 ⁻²
VKOR	chr16_31104878	0.1044	San Juan	Tractor	AFR	-1.21 (± 3.33)	7.17x10 ⁻¹
VKOR	chr16_31104878	0.6144	Tucson	Tractor	EUR	-10.97 (± 2.31)	5.31x10 ⁻⁶
VKOR	chr16_31104878	0.1044	San Juan	Tractor	EUR	-6.47 (± 2.02)	1.87x10 ⁻³
VKOR	chr16_31104878	0.6144	Tucson	Tractor	NAT	-5.43 (± 3.07)	7.94x10 ⁻²
VKOR	chr16_31104878	0.1044	San Juan	Tractor	NAT	5.83 (± 6.4)	3.65x10 ⁻¹
VKOR	chr16_31104878	0.6144	Tucson	IWPC	-	-	NA
VKOR	chr16_31104878	0.1044	San Juan	IWPC	-	-5.74 (± 1.96)	4.39x10 ⁻³
VKOR	chr16_31104509	0.8677	Tucson	Tractor	AFR	-11.8 (± 7.68)	1.27x10 ⁻¹
VKOR	chr16_31104509	0.5075	San Juan	Tractor	AFR	-2.28 (± 3.38)	5.01x10 ⁻¹
VKOR	chr16_31104509	0.8677	Tucson	Tractor	EUR	-9.04 (± 2.23)	8.61x10 ⁻⁵
VKOR	chr16_31104509	0.5075	San Juan	Tractor	EUR	-6.58 (± 2)	1.46x10 ⁻³
VKOR	chr16_31104509	0.8677	Tucson	Tractor	NAT	-7.52 (± 3.12)	1.73x10 ⁻²
VKOR	chr16_31104509	0.5075	San Juan	Tractor	NAT	6.96 (± 6.21)	2.65x10 ⁻¹
VKOR	chr16_31104509	0.8677	Tucson	IWPC	-	-7.42 (± 5.29)	1.64x10 ⁻¹
VKOR	chr16_31104509	0.5075	San Juan	IWPC	-	-6.09 (± 1.94)	2.30x10 ⁻³

Table S3. Full list of Replicated loci from secondary genome-wide vitamin K analyses adjusting for local ancestry