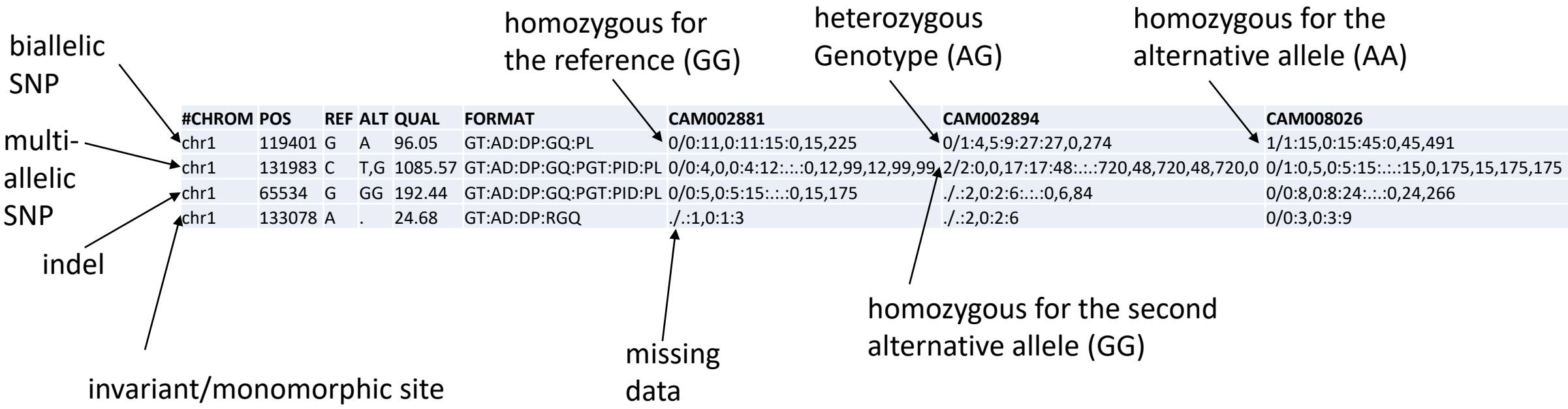
Vcf file format



#CHROM	POS	REF	ALT	QUAL	FORMAT	CAM002881	CAM002894	CAM008026
chr1	119401	G	A	96.05	GT:AD:DP:GQ:PL	0/0:11,0:11:15:0,15,225	0/1:4,5:9:27:27,0,274	1/1:15,0:15:45:0,45,491
chr1	131983	C	T,G	1085.57	GT:AD:DP:GQ:PGT:PID:PL	0/0:4,0,0:4:12:.:.:0,12,99,12,99,99	2/2:0,0,17:17:48:.:.:720,48,720,48,720,0	0/1:0,5,0:5:15:.:.:15,0,175,15,175,175
chr1	65534	G	GG	192.44	GT:AD:DP:GQ:PGT:PID:PL	0/0:5,0:5:15:.:.:0,15,175	./.:2,0:2:6:.:.:0,6,84	0/0:8,0:8:24:.:.:0,24,266
chr1	133078	A	.	24.68	GT:AD:DP:RGQ	./.:1,0:1:3	./.:2,0:2:6	0/0:3,0:3:9

Vcf filtering

#CHROM	POS	REF	ALT	QUAL	FORMAT	CAM002881	CAM002894	CAM008026
chr1	119401	G	A	96.05	GT:AD:DP:GQ:PL	0/0:11,0:11:15:0,15,225	0/0:9,0:9:27:0,27,274	0/0:15,0:15:45:0,45,491
chr1	131983	C	T,G	1085.57	GT:AD:DP:GQ:PGT:PID:PL	0/0:4,0,0:4:12:.:.:0,12,99,12,99,99	0/0:17,0,0:17:48:.:.:0,48,720,48,720,720	0/0:5,0,0:5:15:.:.:0,15,175,15,175,175
chr1	65534	G	GG	192.44	GT:AD:DP:GQ:PGT:PID:PL	0/0:5,0:5:15:.:.:0,15,175	./.:2,0:2:6:.:.:0,6,84	0/0:8,0:8:24:.:.:0,24,266
chr1	133078	A	.	24.68	GT:AD:DP:RGQ	0/0:15,0:15:25	0/0:6,0:6:13	0/0:3,0:3:9

Genotype filtering

minGQ 30 (remove genotypes with quality below 30)
minDP 10 (remove genotypes with less than 10 reads)

#CHROM	POS	REF	ALT	QUAL	FORMAT	CAM002881	CAM002894	CAM008026
chr1	119401	G	A	96.05	GT:AD:DP:GQ:PL	./.	./.	0/0:15,0:15:45:0,45,491
chr1	131983	C	T,G	1085.57	GT:AD:DP:GQ:PGT:PID:PL	./.	0/0:17,0,0:17:48:.:.:0,48,720,48,720,720	./.
chr1	65534	G	GG	192.44	GT:AD:DP:GQ:PGT:PID:PL	./.	./.	./.
chr1	133078	A	.	24.68	GT:AD:DP:RGQ	0/0:15,0:15:25	./.	./.

Site filtering

max-missing 0.33 (remove sites with more than 33% missing data)
minQ 30 (remove sites with quality below 30)

#CHROM	POS	REF	ALT	QUAL	FORMAT	CAM002881	CAM002894	CAM008026
chr1	119401	G	A	96.05	GT:AD:DP:GQ:PL	0/0:11,0:11:15:0,15,225	./.	0/0:15,0:15:45:0,45,491
~~chr1~~	~~131983~~	~~C~~	~~T,G~~	~~1085.57~~	~~GT:AD:DP:GQ:PGT:PID:PL~~	~~./.~~	~~0/0:17,0,0:17:48:.:.:0,48,720,48,720,720~~	~~./.~~
~~chr1~~	~~65534~~	~~G~~	~~GG~~	~~192.44~~	~~GT:AD:DP:GQ:PGT:PID:PL~~	~~./.~~	~~./.~~	~~./.~~
~~chr1~~	~~133078~~	~~A~~	~~.~~	~~24.68~~	~~GT:AD:DP:RGQ~~	~~0/0:15,0:15:25~~	~~./.~~	~~./.~~