Table S1 Potential scale reduction factor point estimates (PSRF), their upper confidence intervals (C.I.) and effective sample sizes (N_{eff}) for ARGweaver stats. μ: mutation rate, ρ: recombination rate.

	$\mu = \rho = 2 \times 10^{-8}$			$\rho = 2 \times 10^{-9}$			$\mu = 2 \times 10^{-7}$		
	PSRF	C.I.	N_{eff}	PSRF	C.I.	N_{eff}	PSRF	C.I.	N_{eff}
prior	1.06	1.15	224	1.01	1.03	494	1.00	1.01	216
likelihood	1.02	1.05	294	1.04	1.11	964	1.01	1.02	499
joint	1.06	1.16	216	1.01	1.02	486	1.01	1.02	219
recombs	1.04	1.1	254	1.01	1.03	559	1.00	1.01	229
noncompats	1.02	1.04	406	1.01	1.03	1290	1.01	1.04	518
arglen	1.06	1.16	348	1.08	1.21	459	1.05	1.12	319
Multivariate	1.15			1.1			1.05		