

Parameter	Prior	Median (95% HPD)	Bulk ESS	Tail ESS	\hat{R}
α_0	Normal(0,2 ²)	1.21 (1.14, 1.29)	784.08	1779.86	1
α_1 (amplicon)	$2 \times \text{stz-MVN}_1(0, 1)$	-1.21 (-1.29, -1.13)	669.69	1728.68	1.01
α_2 (bait-capture)	$2 \times \text{stz-MVN}_1(0, 1)$	1.21 (1.13, 1.29)	669.69	1728.68	1.01
α_3 (log ₁₀ copies/mL)	Normal(0,2 ²)	1.19 (1.11, 1.28)	611.57	1363.09	1
α_4 (amplicon \times log ₁₀ copies/mL)	$2 \times \text{stz-MVN}_2(0, 1)$	-0.27 (-0.35, -0.2)	794.75	1350.48	1
α_5 (bait-capture \times log ₁₀ copies/mL)	$2 \times \text{stz-MVN}_2(0, 1)$	0.27 (0.2, 0.35)	794.75	1350.48	1
σ_{ind}	Half-Cauchy(0,1)	1.52 (1.46, 1.59)	2846.06	4329.07	1
δ_0	Normal(0,3.16 ²)	-2.77 (-2.99, -2.53)	4117.15	4922.89	1
β_1 (amplicon)	$\text{stz-MVN}_3(0, 1)$	0.23 (0.02, 0.46)	6679.26	5445.09	1
β_2 (bait-capture)	$\text{stz-MVN}_3(0, 1)$	-0.23 (-0.46, -0.02)	6679.26	5445.09	1
logit(λ)	Normal(0,1) _[.2,2]	0.29 (0.11, 0.46)	2899.52	5113.97	1
logit(ϵ)	Normal(0,1)	-5.73 (-5.97, -5.51)	3017.4	4579.35	1