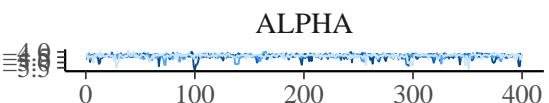
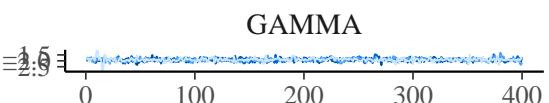
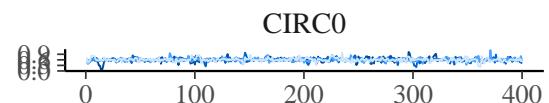
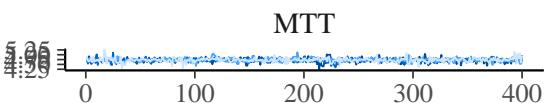
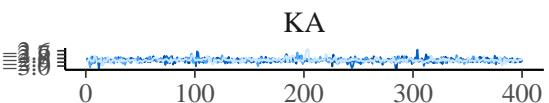
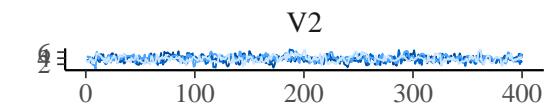
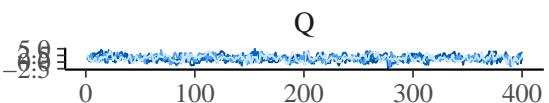
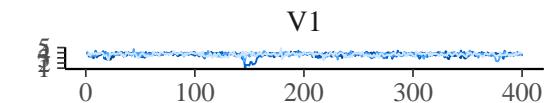
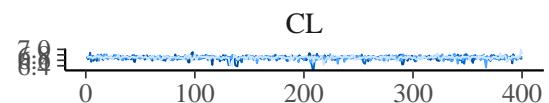
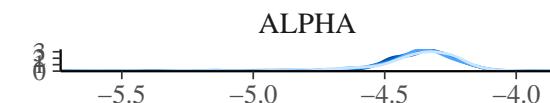
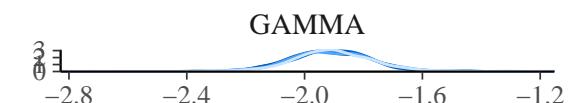
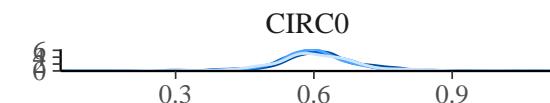
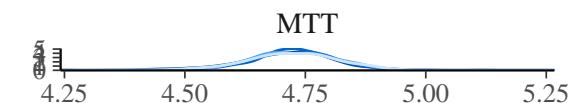
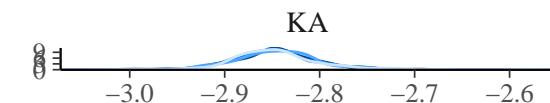
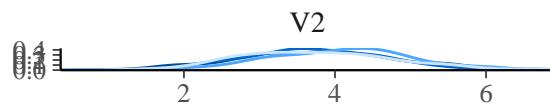
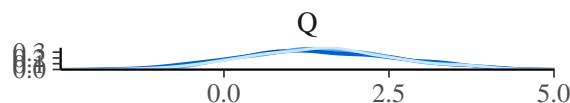
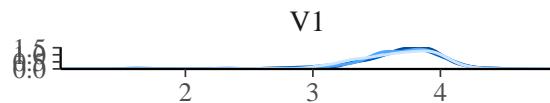
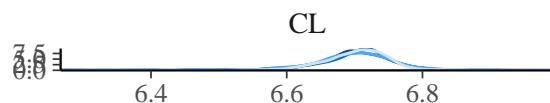


Diagnostics Report  
friberg



Chain

- 1 —  
— 2 —  
— 3 —  
— 4 —

Chain

- 1  
— 2  
— 3  
— 4

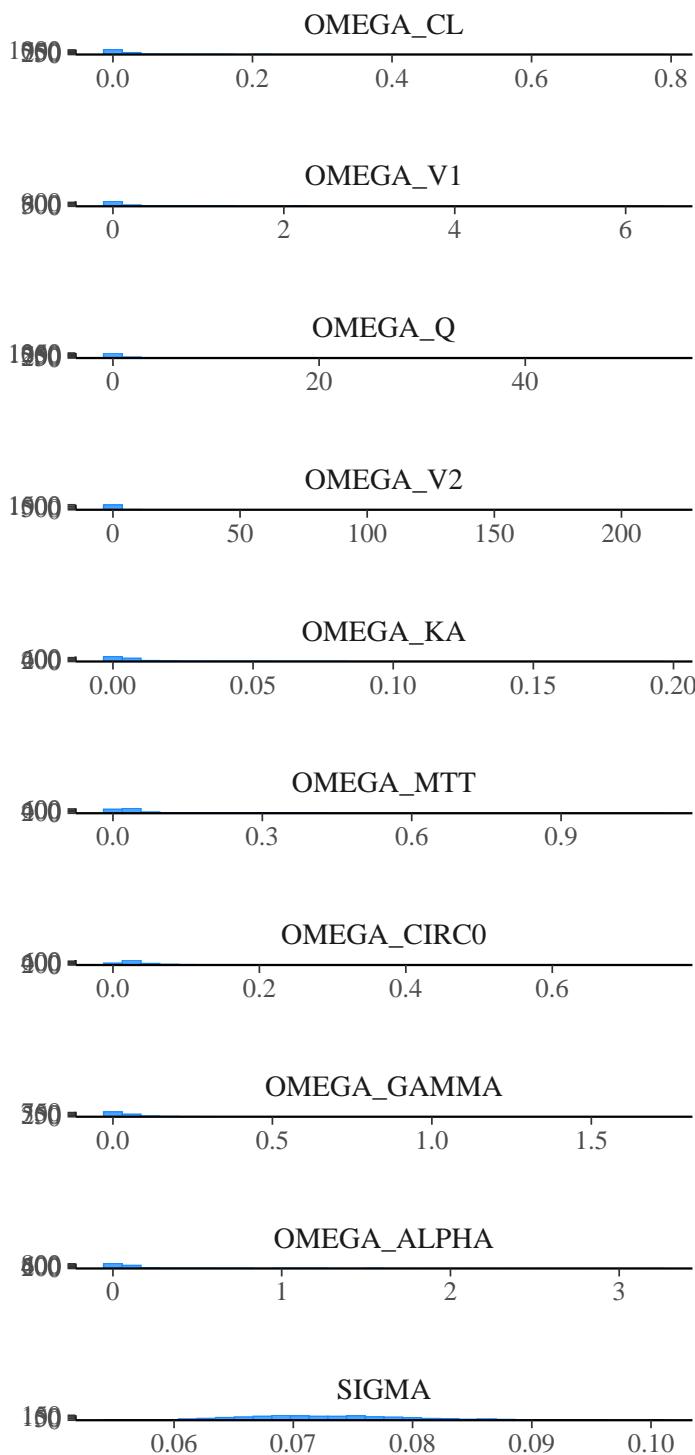
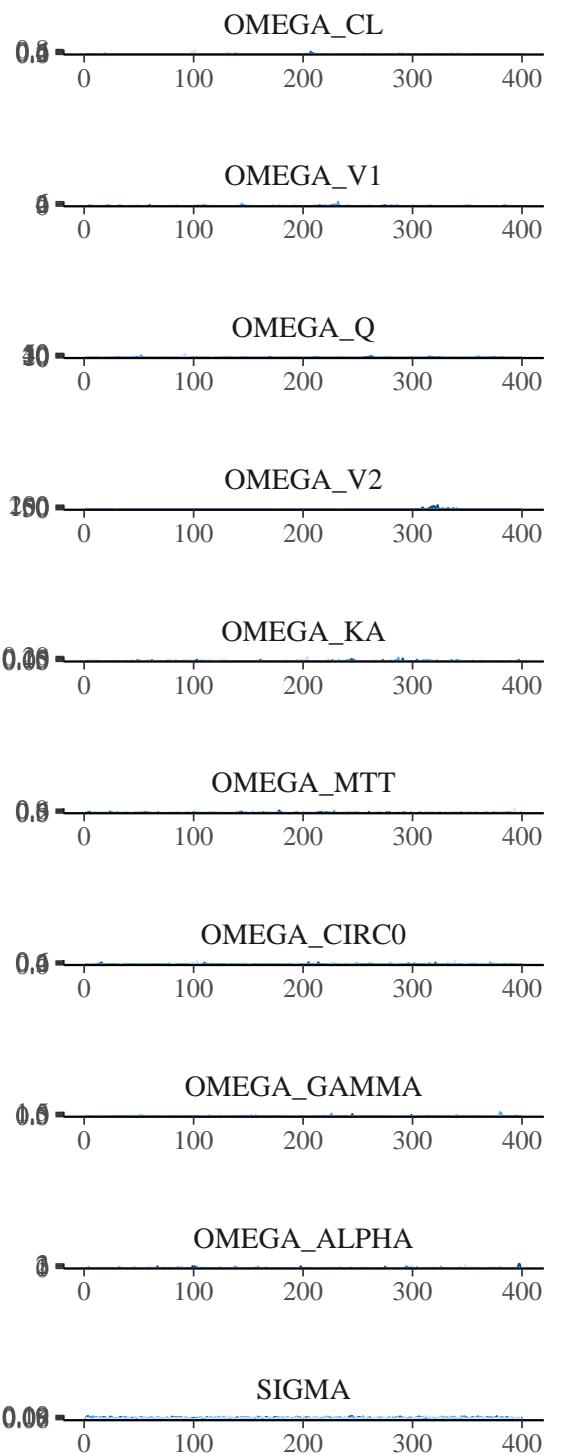
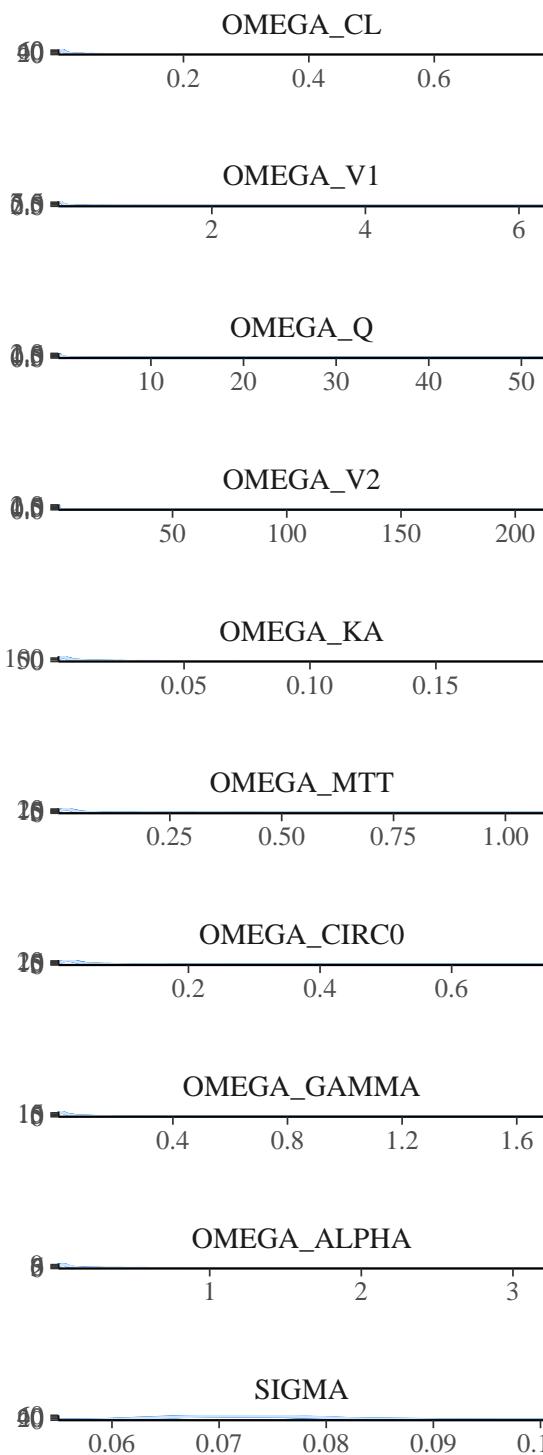
A histogram showing the distribution of V1. The x-axis ranges from 1 to 5. The y-axis has a scale break between 100 and 300. The distribution is skewed right, with a peak around 3.8.

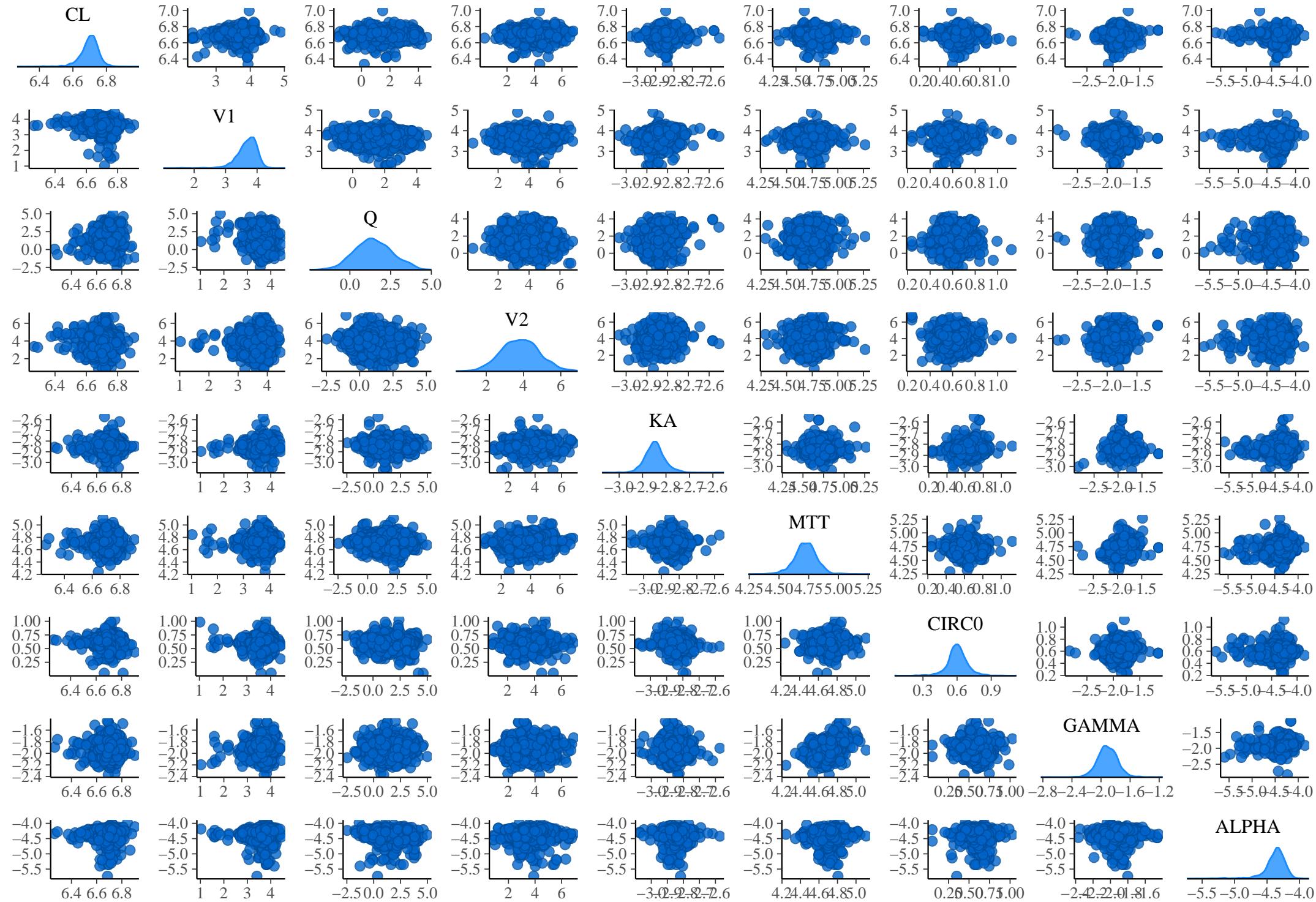
Bin Range	Frequency
[1.0, 1.5)	~300
[1.5, 2.0)	~100
[2.0, 2.5)	~10
[2.5, 3.0)	~10
[3.0, 3.5)	~20
[3.5, 4.0)	~40
[4.0, 4.5)	~20
[4.5, 5.0)	~10

A histogram showing the distribution of  $Q$  values. The x-axis ranges from -2.5 to 5.0 with major ticks at -2.5, 0.0, 2.5, and 5.0. The y-axis shows frequency, with a scale break between 100 and 150. The distribution is roughly symmetric and centered near 0.0, with the highest frequency bin (around 0.0) reaching approximately 150.

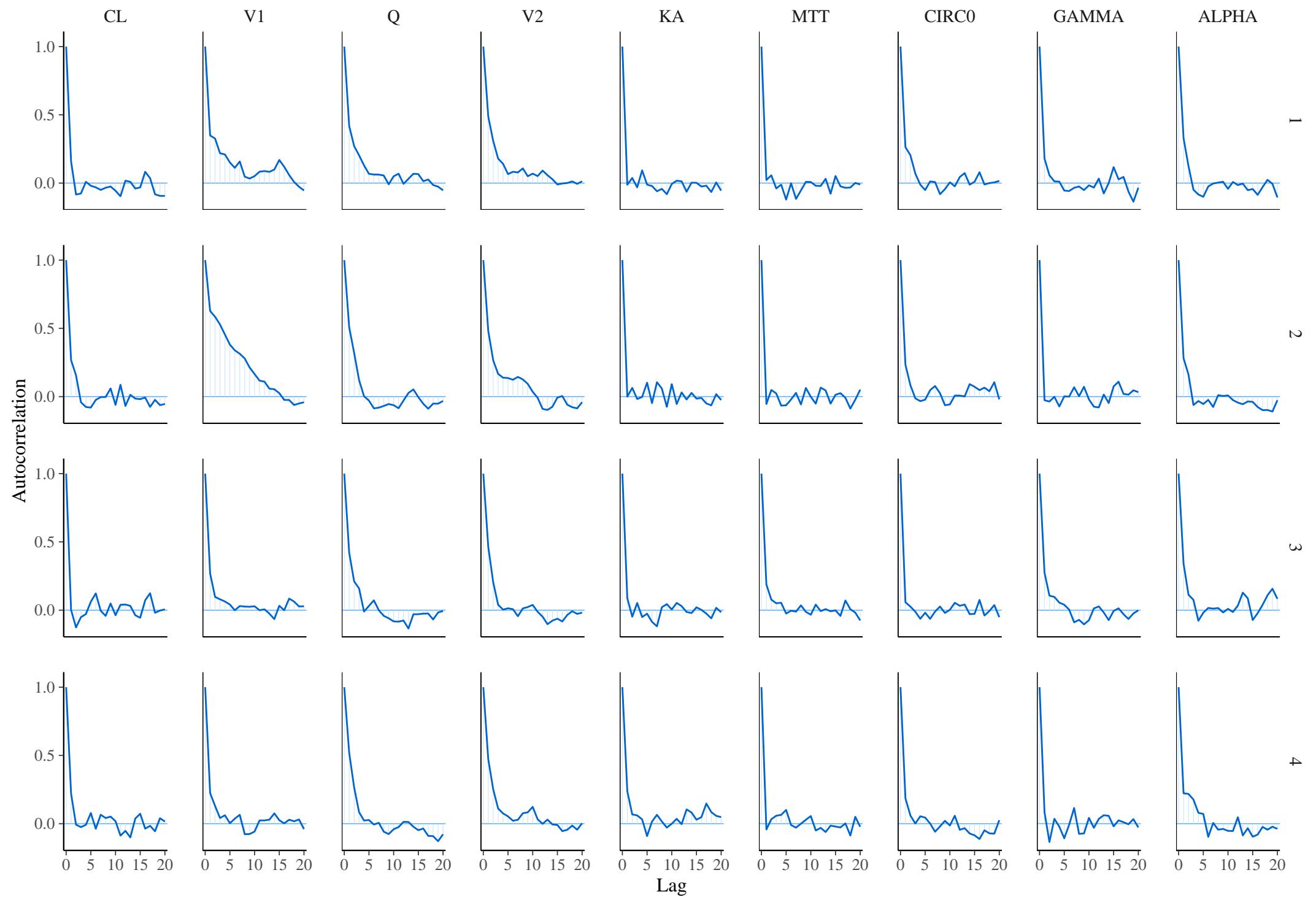
A histogram titled "V2" showing a distribution of values. The x-axis ranges from 0 to 6, and the y-axis ranges from 0 to 100. The distribution is unimodal and centered around 3.5, with the highest frequency occurring at x=3.5.

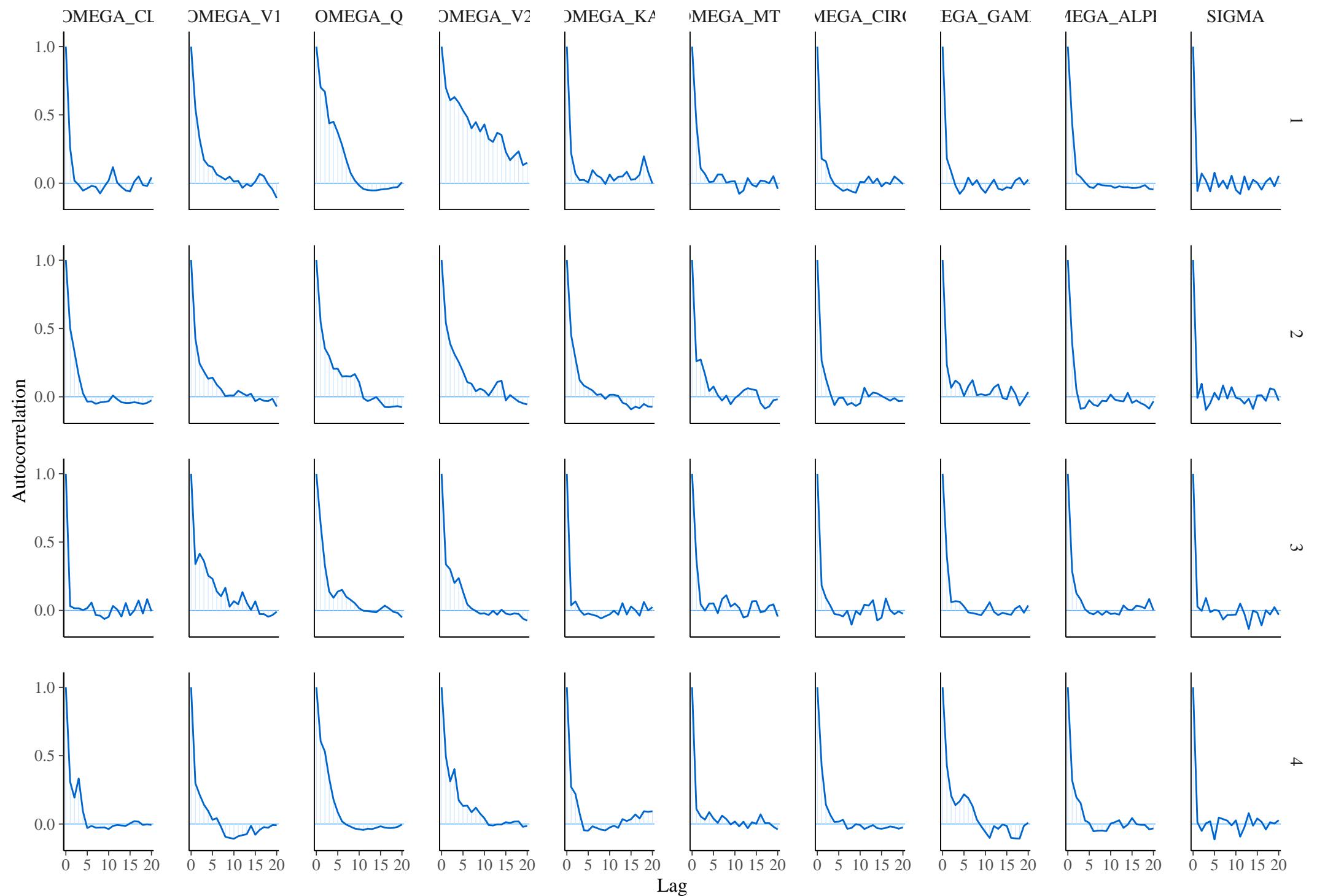
A histogram titled "ALPHA" showing the distribution of values. The x-axis ranges from -5.5 to -4.0. The y-axis has a scale break between 300 and 1000. The distribution is highly right-skewed, peaking around -4.5.











# Summary of Posterior Parameter Estimates

parameter	mean	SD	median	95% CI	Neff	Rhat
CL	6.7	0.0655	6.7	(6.54, 6.8)	607	1
V1	3.67	0.303	3.7	(2.94, 4.14)	369	0.999
Q	1.43	1.13	1.37	(−0.768, 3.74)	296	1.01
V2	3.79	0.974	3.77	(1.89, 5.83)	296	1.02
KA	−2.85	0.0484	−2.85	(−2.93, −2.75)	606	1
MTT	4.72	0.104	4.73	(4.51, 4.92)	616	1.01
CIRC0	0.602	0.0978	0.602	(0.399, 0.794)	540	1.01
GAMMA	−1.9	0.136	−1.9	(−2.17, −1.65)	590	1
ALPHA	−4.39	0.192	−4.35	(−4.94, −4.14)	422	1
OMEGA_CL	0.0172	0.0302	0.00873	(0.00127, 0.0911)	355	1
OMEGA_V1	0.135	0.336	0.0408	(0.00201, 0.853)	150	1.03
OMEGA_Q	0.949	2.16	0.28	(0.00881, 6.7)	122	1.02
OMEGA_V2	3.37	15.8	0.235	(0.00748, 34.1)	43	1.09
OMEGA_KA	0.00765	0.0153	0.00326	(0.000361, 0.0511)	366	1.01
OMEGA_MTT	0.043	0.0607	0.0262	(0.00397, 0.175)	315	1.01
OMEGA_CIRC0	0.0444	0.0566	0.0263	(0.00651, 0.193)	509	1
OMEGA_GAMMA	0.0513	0.111	0.0234	(0.0011, 0.234)	396	1.01
OMEGA_ALPHA	0.106	0.236	0.0487	(0.00784, 0.516)	400	1.01
SIGMA	0.073	0.00731	0.0724	(0.0606, 0.089)	805	1

## Summary of Estimation Time

Chain	TotalTime	Avg
1	12432.5	9960
2	10289.29	9960
3	6696.8	9960
4	10420.66	9960