Posterior samples with raw clusters of hdp.1 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.2 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.3 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.4 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.5 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.6 19**-**18 **-**17 -16 -15 **-**14 -13 **-**Chain - 11 -11 -10 -9 -7 -5 -2 -1 -50 100 200 150 0 Posterior Sample

Posterior samples with raw clusters of hdp.7 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.8 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.9 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.10 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.11 20 -19 -18 **-**17 -16 -15 **-**14-13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.12 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.13 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.14 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.15 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample